

### AC POWER SOURCE

MODEL 1001SLE/1751SLE

**SERVICE MANUAL** 

### **ELGAR ELECTRONICS CORPORATION**

9250 Brown Deer Road San Diego, CA 92121-2294 1-800-733-5427

Tel: (858) 450-0085 Fax: (858) 458-0267

Email: sales@elgar.com

www.elgar.com

©1997 by Elgar Electronics Corporation

This document contains information proprietary to Elgar Electronics Corporation. The information contained herein is not to be duplicated or transferred in any manner without prior written permission from Elgar Electronics Corporation.

August 1, 1997

Document No. M071076-02 Rev A

•			

### **ELGAR TWO-YEAR WARRANTY**

Elgar Electronics Corporation (hereinafter referred to as Elgar) warrants its products to be free from defects in material and workmanship. This warranty is effective for two years from the date of shipment of the product to the original purchaser. Liability of Elgar under this warranty shall exist provided that:

- the Buyer exposes the product to normal use and service and provides normal maintenance on the product;
- Elgar is promptly notified of defects by the Buyer and that notification occurs within the warranty period;
- the Buyer receives a Return Material Authorization (RMA) number from Elgar's Repair Department prior to the return of the product to Elgar for repair, phone 800-73-ELGAR (800-733-5427), ext. 2295;
- · the Buyer returns the defective product in the original, or equivalent, shipping container;
- if, upon examination of such product by Elgar it is disclosed that, in fact, a defect in materials and/or workmanship does exist, that the defect in the product was not caused by improper conditions, misuse, or negligence; and,
- that Elgar QA seal and nameplates have not been altered or removed and the equipment has not been repaired or modified by anyone other than Elgar authorized personnel.

This warranty is exclusive and in lieu of all other warranties, expressed or implied, including, but not limited to, implied warranties of merchantability and fitness of the product to a particular purpose. Elgar, its agents, or representatives shall in no circumstance be liable for any direct, indirect, special, penal, or consequential loss or damage of any nature resulting from the malfunction of the product. Remedies under this warranty are expressly limited to repair or replacement of the product.

### CONDITIONS OF WARRANTY

- To return a defective product, contact an Elgar representative or the Elgar factory for an RMA number.
   Unauthorized returns will not be accepted and will be returned at the shipper's expense.
- For Elgar products found to be defective within thirty days of receipt by the original purchaser, Elgar will
  absorb all ground freight charges for the repair. Products found defective within the warranty period, but
  beyond the initial thirty-day period, should be returned prepaid to Elgar for repair. Elgar will repair the unit
  and return it by ground freight pre-paid.
- Normal warranty service is performed at Elgar during the weekday hours of 7:30 am to 4:30 pm Pacific time. Warranty repair work requested to be accomplished outside of normal working hours will be subject to Elgar non-warranty service rates.
- Warranty field service is available on an emergency basis. Travel expenses (travel time, per diem expense, and related air fare) are the responsibility of the Buyer. A Buyer purchase order is required by Elgar prior to scheduling.
- A returned product found, upon inspection by Elgar, to be in specification is subject to an inspection fee and applicable freight charges.
- Equipment purchased in the United States carries only a United States warranty for which repair must be accomplished at the Elgar factory.



Committed to Quality...Striving for Excellence

This page intentionally left blank.

### **SAFETY NOTICE**

Before applying power to the system, verify that the unit is configured properly for the user's particular application.



### **WARNING!**

HAZARDOUS VOLTAGES IN EXCESS OF 260 VRMS, 370V PEAK MAY BE PRESENT WHEN COVERS ARE REMOVED. QUALIFIED PERSONNEL MUST USE EXTREME CAUTION WHEN SERVICING THIS EQUIPMENT. CIRCUIT BOARDS, TEST POINTS, AND OUTPUT VOLTAGES MAY BE FLOATING ABOVE (BELOW) CHASSIS GROUND. INTERNALLY, IN ADDITION TO THE VOLTAGES MENTIONED ABOVE, DC POWER SUPPLY VOLTAGES OF ±60VDC MAY BE PRESENT. SUCH DC VOLTAGES ARE CAPABLE OF SHORT CIRCUIT CURRENTS OF UP TO SEVERAL HUNDRED AMPERES.

Installation and service must be performed by <u>qualified personnel</u> who are aware of dealing with attendant hazards.



Ensure that the AC power line ground is connected properly to the AC Power Source. Similarly, other power ground lines including those to application and maintenance equipment <u>must</u> be grounded properly for both personnel and equipment safety.

Always ensure that facility AC input power is de-energized prior to connecting or disconnecting the power cable(s) and/or installing or removing the unit from the AC Power Source. Similarly, the AC Power Source circuit breaker must be switched OFF (0) prior to connecting or disconnecting input and/or output power cable(s) and/or installing or removing the unit from the AC Power Source.

During normal operation, the operator does not have access to hazardous voltages within the chassis. However, depending on the user's application configuration, HIGH VOLTAGES HAZARDOUS TO HUMAN SAFETY may be generated normally on the output terminals. Ensure that the output power lines are labeled properly as to the safety hazards and that any inadvertent contact with hazardous voltages is eliminated. To guard against risk of electrical shock during open cover checks, <u>do not touch</u> any portion of the electrical circuits. Even when the power is off, capacitors can retain an electrical charge. Use safety glasses during open cover checks to avoid personal injury by any sudden failure of a component.

Some circuits are live even with the front panel circuit breaker of the AC Power Source turned OFF (0). Servicing, and even fuse verification as well as connecting wiring to the chassis must be accomplished with the power removed via external means. Some components that can hold a charge for a time after power has been removed, such as storage capacitors, are used in this equipment. These parts have discharging devices connected to provide a means for the discharge of voltages when the power is removed. Wait at least two minutes after removal of power to allow the discharging of these parts.

This equipment is designed to be operated in a manner specified by the manufacturer for both personnel and equipment safety. Operating this equipment in a manner NOT specified by the manufacturer, the protection provided by the equipment may be impaired.

### **SAFETY SYMBOLS**



CAUTION Risk of Electrical Shock



CAUTION
Refer to Accompanying Documents



Off (Supply)



Standby (Supply)

On (Supply)



**Protective Conductor Terminal** 

Direct Current (DC)

~

Alternating Current (AC)

3~

Three-Phase Alternating Current

VVa	ırrantyi
Sa	fety Noticeiii
SECTION	I – THEORY OF OPERATION
1.1	INTRODUCTION1-1
1.2	SYSTEM OVERVIEW1-1
1.3	INTERCONNECTION AND POWER SUPPLIES1-1
1.4	PREAMPLIFIER1-4
1.5	HEATSINK ASSEMBLIES1-5
SECTION	II - MAINTENANCE
2.1	GENERAL2-1
2.2	REQUIRED TEST EQUIPMENT2-1
2.3	TROUBLESHOOTING ACCESS2-2
2.4	PERIODIC MAINTENANCE2-2
2.5	ADJUSTMENTS2-7
,	2.5.1 Output Regulation Adjustment2-7
	2.5.2 Current Limit Adjustment2-7
2.6	TROUBLESHOOTING/FAULT SYMPTOMS2-8
	2.6.1 Circuit Breaker Trips2-8
	2.6.2 Output Distortion2-8
	2.6.3 Overheating2-9
	2.6.4 +8V Power Supply Failure2-9
2.7	REAR PANEL REMOVAL2-9
2.8	REPAIR AND REPLACEMENT2-9
2.9	CIRCUIT BOARD ASSEMBLIES2-9
2.10	FACTORY REPAIR2-10
SECTION	III – PARTS LIST
3.1	GENERAL3-1
3.2	SPARE PARTS ORDERING3-1
3.3	PARTS LIST3-1
SECTION I	V – DIAGRAMS
4.1	GENERAL4-1
4.2	DIAGRAMS

LIST OF F	IGURES	
1-1	Model 1001SLE/1751SLE Simplified Block Diagram	1-2
2-1	Model 1001SLE (Top View, Cover Removed)	2-3
2-2	Model 1001SLE (Bottom View, Cover Removed)	2-4
2-3	Model 1751SLE (Top View, Cover Removed)	2-5
2-4	Model 1751SLE (Bottom View, Cover Removed)	2-6
LIST OF TA	ABLES	
2-1	Required Test Equipment	2-1
3-1	Model 1001SLE/1751SLE Parts List	3-2
4-1	Model 1001SLE/1751SLE Diagram Listing	

### 1.1 INTRODUCTION

This section describes the Model 1001SLE/1751SLE Series AC Power Sources and associated circuit boards, assemblies and interconnecting signals. This section provides a sound basis for understanding the roles performed by the instrument electronics and should be a precursor to any troubleshooting or maintenance. The user should frequently refer to the schematics located in Section IV of this manual.

Topics of this section are well advanced of normal Operator/ Programmer activities. An understanding of both analog and digital design, associated devices, and terminology is necessary to fully understand the material presented in this section. For details of the inner workings of components, refer to the Individual Device Manufacturer's Data books.

Prior to the detailed level of discussion of the assemblies and boards within the power source, a top level system overview is provided. An under-standing of both top level and circuit activities is most valuable should the user find it necessary to investigate a suspected fault or malfunction within the power source.

If the power source has a PIP (Plug-In Programmable oscillator) installed, refer to the Service Manual covering the PIP being used and become familiar with the theory of operation. This understanding of the PIP theory of operation will enhance the user's understanding of the power source.

### 1.2 SYSTEM OVERVIEW

Figure 1-1 identifies the power amplifier functional relationships. The Preamplifier PC Board plugs into the motherboard. The preamplifier/power stage gain is stabilized and is determined by an AC feedback loop. Another feedback loop from transformer T3 controls regulation. To achieve an overall gain sufficient to produce the required power amplifier output voltages, a step-up transformer is employed. This step-up transformer, T2, is interposed between the power amplifier and the output load. Meter M1, a 0 to 300 VAC indicator, monitors the output voltage and is mounted on the front panel of the power source. Resistor R1, the front panel AMPLITUDE control, governs the input signal with a magnitude of approximately 2 VRMS. This signal is derived from either a plug-in oscillator module or from an external signal source.

### 1.3 INTERCONNECTION AND POWER SUPPLIES

(Refer to Schematic No. 6071076 for the 1001SLE, or to Schematic No. 6121045 for the 1751SLE.)

Input power enter at terminal block, TB1, on the rear panel of the power source. The input is passed through a line filter, and is applied to the input power circuit breaker, CB1, which breaks both sides of the input power line. The circuit breaker applies the input power to the primary of the input power transformer, T1, +8V power supply transformer, T5, and the cooling fan(s).

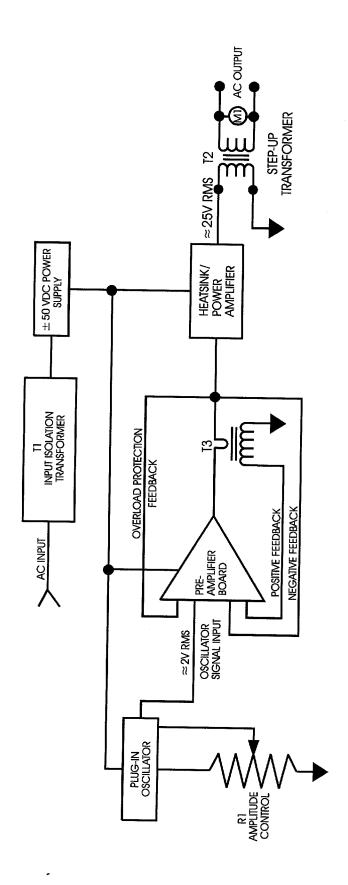


Figure 1-1. Model 1001SLE/1751SLE Simplified Block Diagram

The secondary of the input power transformer, T1, is applied to a full wave bridge rectifier, U1. After rectification, the voltage is filtered by capacitors C1 and C2 to make the +/-50VDC supplies required for the power amplifier. There are supply bleeder resistors attached to the C1 and C2 filter capacitors to discharge the filter capacitors after power is turned off. The secondary of the +8V power supply transformer, T5, is applied to a full wave bridge rectifier, U1. After rectification, the voltage is applied to the power indicator, DS1, and is also connected to the Motherboard to be used in the Plug-In oscillator module to create the +5VDC logic supply. This secondary is fused with a 2A Slo-Blo type fuse, F1, located next to T5 in the chassis.

The motherboard assembly interfaces with the oscillator, whether a plug-in or an external signal source. The preamplifier plugs into the motherboard.

The motherboard connectors are as follows:

- J1 allows the connection of AMPLITUDE control pot, R1 located on the front panel.
- J2 interfaces with the Upper and Lower Heatsink assemblies.
- J3 connects the Motherboard to the J1 connector located on the rear panel via a cable assembly (Part Number 5121051).
- J4 provides connections for the current transformer, T3, which controls regulation via feedback.
- J5 provides optional relay control connections, if configured.
- J6 allows for optional PIP voltage and current sense, if configured.
- J7 provides optional connections for the "T" Test option, which allows current monitoring and current limit programming, if configured.
- J8 provides optional connections for the "D" Disconnect option, and also allows connections for multi-amplifier system. Only found on the 5071077 Motherboard Assemblies, if configured.
- Connections E1, E2, and E3 provide optional Sync connections for PIP options via rear panel mounted BNC connectors, if equipped.

The motherboard includes several relays as follows:

- K1 is the optional 65/130V Range Drive relay, if configured.
- K2 is the oscillator signal disable relay.
- K3 is the optional 130/260V Range Drive relay, if configured.
- K4 is the optional "D" Disconnect Drive relay (found only on the 5071077 Motherboard Assemblies), if configured.
- K5 is the optional "D" Disconnect sense voltage relay (found only on the 5071077 Motherboard Assemblies), if configured.

Refer to Schematic Drawing No. 6071075 and 6071077 for more detail on the motherboard connections and relays.

The amplifier's output goes to transformer T2 where the voltage is stepped up to the required level for output on terminal block TB2. The T2 secondary winding are 4 individual 0-65VAC output windings. These winding are brought to an internal terminal block, TB3. The first two windings are jumpered in series for a 0-130VAC output. The remaining two windings are also series connected for 0-130VAC output. The two 0-130VAC outputs are brought to the rear panel output terminal block, TB2. TB2, via jumpers, determines the output voltage range of either 0-130VAC (parallel connected) or 0-260VAC (series connected) output voltage range. The output voltage is also available at the front panel binding posts E1 (Red), E2 (White), and E3 (Black). The 0 to 300 VAC Meter, M1, allows the output voltage to be monitored on the front panel.

### 1.4 PREAMPLIFIER

(Refer to Schematic No. 6070004.)

The preamplifier stabilizes the gain of the power source via an AC feedback loop. The preamplifier works with T3 to control regulation.

The preamplifier circuit embodies a first stage differential amplifier U1A/B, which receives its signal input from AMPLITUDE control, R1. The differential amplifier receives feedback from the output amplifier, thereby maintaining approximately zero DC offset to the output transformer. The emitter currents are supplied by R5 from the +12V supply, regulated by CR1. The output of U1B provides the base drive for Q1 which operates as a class A amplifier. Q1 supplies the base drive for common emitter driver Q5 and emitter follower Q4. Diodes CR2, CR3, and CR4 provide a small amount of forward bias to the output amplifier to minimize crossover distortion. Q4 and Q5 are drivers for the emitter followers on the power heatsink assemblies. Transistors Q2 and Q3 are part of a circuit designed to protect the power transistors on the power heatsink assemblies. Power transistor protection on the preamplifier is driven by feedback from the heatsink assemblies. Current flow in the upper half of the power heatsink is sampled by a resistor, R6, on the heatsink and applied through R29 of the preamplifier to the base of Q2. Q2 is the upper current limit transistor. When the voltage is sufficient to turn on Q2, Q2 conducts and diverts drive current from the base of Q4, thus preventing any further increase in output current. Simultaneously, the current in the lower half of the power heatsink is sampled by R7 on the motherboard. This voltage is applied through R31 of the preamplifier to the base of Q3. Q3 is the lower current limit transistor. When Q3 conducts it diverts drive current from the base of Q5, thus preventing any further increase in output current. The resistor diode network, in the base circuits of Q2 and Q3, senses the amplifier output voltage and modifies the bias voltages of Q2 and Q3 to further reduce the output current under short circuit or severe overload conditions. This prevents excess dissipation in the power transistors on the heatsink assembly. Negative AC feedback, from the power transistor's output, is fed back to the base of U1A through resistor R11. Capacitor C5, across R11, helps stabilize the amplifier against high frequency instabilities.

In order to maintain proper load regulation, the primary current of output transformer T2 is sensed by current sense transformer T3. As the load is applied to the output of the unit, a positive feedback signal is developed at the secondary of T3 and is applied across shunt resistor R27 and regulation adjustment potentiometer R26 of the preamplifier board. This signal is then applied to the input of the differential amplifier through R3. Capacitor C2 and resistor R2 make up a boost network which increases the positive feedback at higher output frequencies to maintain regulation. The preamplifier board operates from the positive and negative 50 VDC produced by chassis full wave bridge rectifier U1.

### 1.5 HEATSINK ASSEMBLIES

(Refer to Schematic No. 6920026 for the 1001SLE, or Schematic No. 6121024 for the Model 1751SLE.)

The heatsink assemblies are mounted in the wind tunnel and house the power transistors. The power transistors produce the necessary amplifier output current to feed the primary of chassis output transformer T2. T2 will subsequently step up the voltage to the required level for output (refer to Schematic Nos. 6071076 or 6121045, as required, for T2 circuitry). The resistors, in the emitter circuitry of each power transistor, ensure equal current sharing. The heatsink assembly is operated from positive and negative 50 VDC which is produced by chassis full wave bridge rectifier U1 and filter capacitors C1 and C2 (refer to Schematic Nos. 6071076 or 6121045, as required, for U1 circuitry). Thermal switch TK1, shown on the heatsink schematic, removes the drive signal from the amplifier, via the preamplifier, in the event of overheating. Overheating may occur from excessive load application or restricted airflow through the wind tunnel.

The preamplifier contains circuitry which protects the power transistors. Current flow is sampled in the upper heatsink by R6 and is sampled in the lower heatsink by chassis resistor R7. The voltage developed by these two sampling resistors is fed to the preamplifier current limit transistors Q2 and Q3.

This page intentionally left blank.

### 2.1 GENERAL

This section contains procedures for corrective maintenance of the Model 1001SLE/1751SLE AC Power Source. Information provided includes checkout, troubleshooting, disassembly for repair, and adjustments. A list of test equipment required for maintenance and adjustments is also included in this section. The Model 1001SLE/1751SLE is delivered with all adjustments and calibrations completed. Further adjustment should not be required unless a malfunction occurs and/or certain critical parts are replaced.

If the procedures of this section and the circuit descriptions contained in Section I do not provide sufficient information to locate and correct a malfunction, the assistance of the Elgar Customer Service Department should be requested. Equipment should not be returned to the Elgar factory without the express authorization of Elgar Corporation or its authorized representative. Elgar cannot assume the responsibility for equipment returned without authorization.



<u>WARNING!</u> Hazardous voltages are present when operating this equipment. Please read the Safety Notice at the beginning of this manual prior to installation, operation, or maintenance.

### 2.2 REQUIRED TEST EQUIPMENT

The test equipment required to conduct performance verification procedures and for troubleshooting is listed in Table 2-1. Substitute equipment may be employed provided the equipment meets the accuracy specifications of the equipment.

Name Manufacturer and Characteristics Model Number Multimeter Simpson Model 260 20,000 ohms/volt AC, DC, and ohms Differential Voltmeter Fluke Model 931AB RMS Volts range to 1000 VAC AC Ammeter Fluke With amp clamp Power Variac Capable of at least 30 amps Oscilloscope Tektronix Dual trace oscilloscope, DC to 60 MHz Model 455/A2/B2 Probe Tektronix Model 6105 X10 probe Distortion Analyzer Hewlett-Packard Model 333A Resistive Load States Company (P/N 33525)

Table 2-1. Required Test Equipment



<u>WARNING!</u> Remove power when performing maintenance on the unit. Failure to comply can result in serious electrical shock to individuals coming in contact with live voltages at exposed terminals when the unit is energized.

### 2.3 TROUBLESHOOTING ACCESS

Refer to Figures 2-1 and 2-2 (1001SLE) or Figures 2-3 and 2-4 (1751SLE) for major component locations. The assembly drawings in Section IV should be used to locate parts on board assemblies.

### 2.4 PERIODIC MAINTENANCE

The only periodic maintenance required by the power source is removing the dust and dirt which has accumulated during operation. Examine the power heatsinks as excessive dirt buildup in this area could cause overheating of the power transistors. A medium pressure air jet can aid in cleaning of the heatsinks. Also ensure that the preamplifier board and oscillator plug-in are clean.

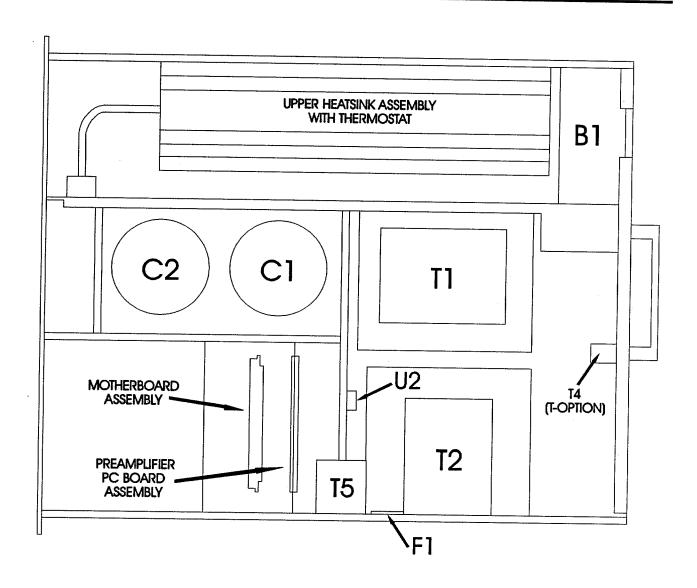


Figure 2-1. Model 1001SLE (Top View, Cover Removed)

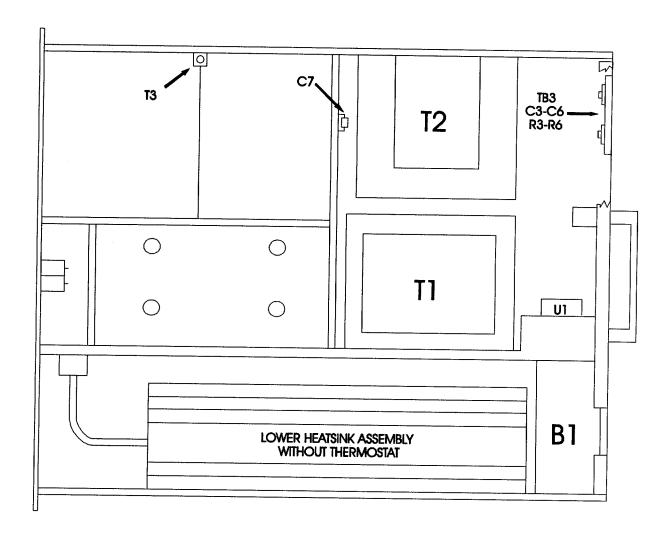


Figure 2-2. Model 1001SLE (Bottom View, Cover Removed)

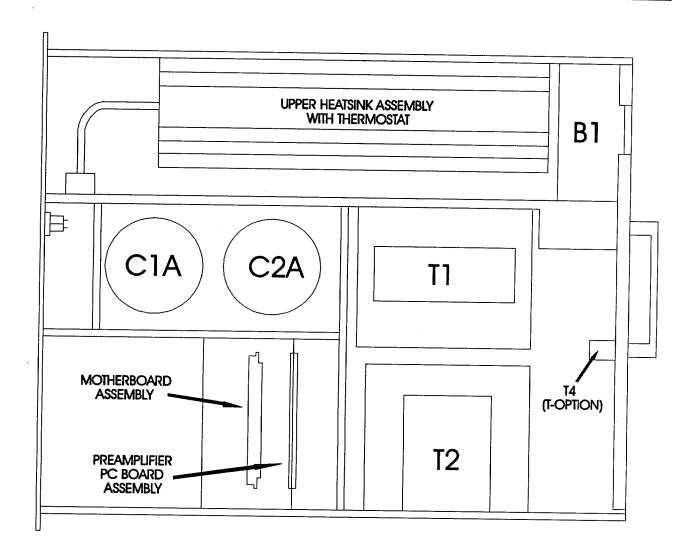


Figure 2-3. Model 1751SLE (Top View, Cover Removed)

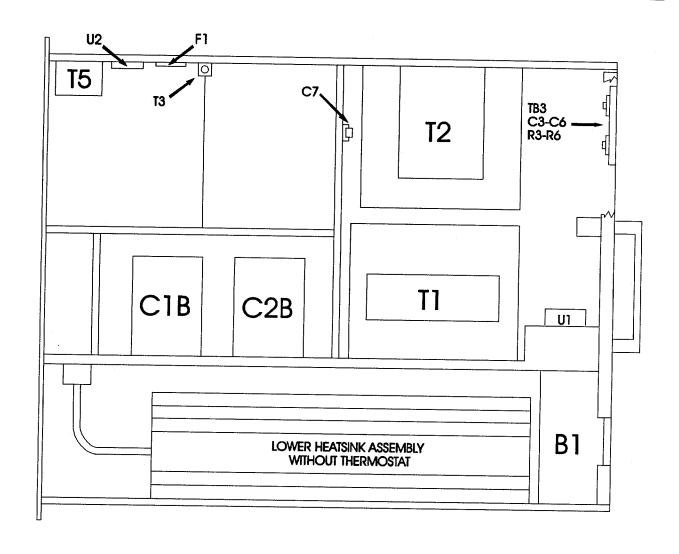


Figure 2-4. Model 1751SLE (Bottom View, Cover Removed)

### 2.5 ADJUSTMENTS

Test points and adjustment controls are conveniently provided at the top of the amplifier circuit board, accessible by removing the top cover of the power source (refer to Drawing No. 5070004). The test points are as follows:

TP1 Circuit Common - Brown

TP2 Amplifier Output - Red

TP3 Oscillator Signal - Orange

TP4 U1A Collector - Yellow

### 2.5.1 Output Regulation Adjustment

The regulation adjustment on the preamplifier, resistor R26, is set at the factory to provide ±1% load regulation over the full frequency range of the power source. The regulation may require readjustment if the load is highly reactive or if zero regulation is desired for a specific load and frequency.

To make this adjustment, perform the following:

- 1. Disconnect the load.
- 2. Read the output voltage.
- 3. Re-connect the load.
- 4. Adjust R26 until the same reading as in step 2. above is obtained.

**NOTE:** If the load is sufficiently heavy to cause current limit transistors Q2 and Q3 to conduct, the output voltage will be reduced, giving an indication of poor load regulation. Load voltage fall-off due to current limiting action should not be compensated by the regulation adjustment.

### 2.5.2 Current Limit Adjustment

The current limits have been preset at the factory such that the unit will deliver full rated power over the output voltage range. Readjustment of the limits should not be performed unless a malfunction has occurred in the unit and parts have been replaced to affect the current limit. The current limit adjustment may be checked by observing the waveform at TP2 with an oscilloscope.

### Perform the following:

- 1. Set the oscilloscope sensitivity to 10 volts/cm.
- 2. Turn the unit on and adjust the output for 130VAC on the 0-130VAC output voltage range as indicated on the meter.
- 3. Connect a load as follows:
  - a. A 11.27 Ohm load (11.53 Amps) to the output terminals of the 1001SLE (load must be capable of dissipating 1500W); or,
  - b. A 6.44 Ohm load (20.19 Amps) to the output terminals of the 1751SLE (load must be capable of dissipating 2625W).
- 4. Adjust the current limit potentiometers clockwise until peak clipping is observed at TP2.
- 5. Adjust the limit potentiometers counter-clockwise until clipping just disappears.

### 2.6 TROUBLESHOOTING/FAULT SYMPTOMS

### 2.6.1 Circuit Breaker Trips

If the circuit breaker trips at no load, a fault in either the power transistors or the power rectifiers is indicated. Perform the following:

- 1. Unplug the heatsink assemblies and try the circuit breaker.
- 2. If it does not trip, look for a shorted power transistor (power transistors can be checked with an ohmmeter).
- 3. If the circuit breaker still trips, look for a shorted rectifier bridge.
- 4. If the rectifier bridge and filter are good, a fault in the power transformer or wiring harness probably exists.

### 2.6.2 Output Distortion

Overloading may cause output distortion. Check the load current waveform with an oscilloscope. An oscilloscope is recommended because some high crest factor loads may draw considerably more peak current than is indicated by a load ammeter.

### 2.6.3 Overheating

If overheating causes thermostat TK1 to close, the output voltage will fall to zero. Overheating may be caused by restricted airflow or environmental temperature greater than 50°C (122°F).

### 2.6.4 +8V Power Supply Failure

The T5, U2, and F1 circuit create the +8V supply that is used in the Plug-In oscillator module to create the +5VDC logic supply. This +8V supply also provides the power to the "POWER ON" indicator, DS1, located on the front panel of the AC Power Source. If the +8V power supply is not operating properly, the DS1 indicator will not come on although the cooling fan(s) are operating when the circuit breaker is turned on. An oscillator module will not output a drive signal under this condition either. Check the chassis mounted secondary fuse, F1, which should open in the event of excessive current draw in this circuit. Only replace fuse F1 with the same 2A Slo-Blo type fuse. Failure to do so, may result in additional damage to the unit.

### 2.7 REAR PANEL REMOVAL

Should troubleshooting and repair require better access to components located in the rear of the chassis, the panel mounting screws can be removed. Great care should be used when moving the rear panel; the wiring cannot be unattached. Therefore, the rear panel can only be moved 2" to 3" from its mounted position. Trying to move or force the rear panel further may result in damage to wiring and/or components in the rear of the chassis.

### 2.8 REPAIR AND REPLACEMENT

Generally, if parts are suspected of damage, the parts shall be checked with a multimeter for proper electrical value prior to replacement.

### 2.9 CIRCUIT BOARD ASSEMBLIES

Circuit board assemblies can be either repaired or replaced if either a part or the circuit card is damaged. De-energize the unit before removing any circuit board assembly. To remove a circuit board, remove the retainer hardware and pull straight up on the circuit board, taking care not to damage circuit components.

When re-installing a circuit board, carefully fit the edge of the circuit board in the connector and press firmly to seat. Re-attach the retainer hardware to ensure that the circuit board(s) are firmly mounted.

### 2.10 FACTORY REPAIR

Do not replace factory selected parts. If necessary to return an instrument to the factory for repair, contact the Elgar Service Department for shipment authorization. DO NOT RETURN THE UNIT FOR REPAIR WITHOUT AUTHORIZATION.

### 3.1 GENERAL

This section contains a listing of all part numbers used in the manufacture of the Model 1001SLE/1751SLE AC Power Source. Parts are located on the diagrams provided in Section IV and correlated on the parts list by using their reference designators and/or Elgar part number.

**NOTE:** Trimming capacitors are factory selected and their replacement is considered beyond the scope of customer maintenance.

### 3.2 SPARE PARTS ORDERING

When ordering spare parts, specify the part name, part number, manufacturer, component value, and rating. If complete assemblies are desired, contact:

ELGAR ELECTRONICS CORPORATION Sales & Technical Support 9250 Brown Deer Road San Diego, CA 92121-2294 1-800-733-5427 Tel: (858) 450-0085

Fax: (858) 450-0085 Fax: (858) 458-0267 Email: sales@elgar.com

www.elgar.com

Specify the assembly number, instrument series number, and instrument name when ordering.

### 3.3 PARTS LIST

Parts list included in this section is listed in Table 3-1.

Table 3-1. Model 1001SLE/1751SLE Parts List

Part Number	Description
5070003-01	Heatsink Resistor Board Assembly
5070004-01	Preamplifier Board Assembly
5071007-04	Divider Assembly 1001SLE
5071014-01	Capacitor Assembly
5071014-BS	Capacitor Assembly, Basic
5071070-01	Filter Box Assembly 1001SLE
5071075-03	Motherboard Assembly SLE
5071076-01	Final Assembly 1001SLE
5071082-01	Rear Panel Assembly 1001SLE
5071083-01	Front Panel Assembly 1001SLE
5071084-01	Right Panel Assembly 1001SLE
5071085-01	Brace Plate Assembly 1001SLE
5071009-01	Brace Plate Assembly 1751SLE
5121010-03	Divider Assembly 1751SLE
5121024-01	Heatsink Assembly w/TK 1751SLE
5121024-02	Heatsink Assembly w/o TK 1751SLE
5121045-01	Final Assembly 1751SLE
5121047-02	Right Panel Assembly 1751SLE
5121048-01	Rear Panel Assembly 1751SLE
5121049-02	Front Panel Assembly 1751SLE
5920026-01	Heatsink Assembly w/TK 1001SLE
5920026-02	Heatsink Assembly w/o TK 1001SLE

PAGE NO:

		æ	
	ER RICE PRICE	OBSOLETE DATE	100000000
	S ORDER W/O PRICI WITH PRI		
	£T	EFFECTIV DATE	00/00/00 00/00/00 00/00/00 00/00/00 00/00/
	ON SALI S ORDER S ORDER		/000
	PRINT ( SALES	ENCE	i t 1
COD	NAL RED NOT F S ON	REFERENCE DESIGNATOR	 
OLICY	REQUIRED DOES NOT PRINTS O	SEQ	1000000
ORDER POLICY CODE	N=PART ( Y=PART I N=PART I Y=PART I P=PART I	DAYS OFF SET	1000000
	••	# E	1.000 7.000 1.000 7.000 6.000
0 P :	전 전 된 된	PREP	1771
		2 E E E	K K K K K K K K K K K K K K K K K K K
		UM SC	E E E E E E E E E E E E E E E E E E E
		Y I E L D F A C T R	1.0000 980 980 980 980
,		SS	i
	Y A	O E	1
	BD ASSY	IT RV N	   
		0 64	
PCB	INKR		RD, T
S E	HEATSINK RES	1	L MNT 040 L,.25
CLAS		] ] ! !	S BD WW, AX W, AXL IN, PC INT, .
COMMODITY CLASS ASSEMBLY, CALMEX - PCB	V: A	; ; ;	PCB, HEATSINK RES BD RES, 22,5W,10%, WW, AXL RES,5.6,5W,5%, WW, AXL TAB, FASTON, 25 IN, PC MNT PIN, SOCKET, PWB MNT, .040 STDF, SWG,6-32 X .125L,.25RD,TI SCHM HEATSINK 1001SL A
COMMC	OPCODE: 4 REV: A	DESCRIPTION	ATSIN 2,5W, 5,5W, STON, CKET, 4G,6-
	ODE:	SCRII	B, HEL S, 5. ( S, 5. ( N, SOC DF, SV HM HE
CLASS CODE GROUP: 1 CLASS CODE: 110	5070003-01 OPCODE: MODEL: ECO NO: DATE OF LAST ECO: 00/00/00	D I	N N N H A N N N
ਲ GRO ਤ:	ECO:	!	
CLASS CODE	.01 LAST	MBER	1 1 1 1 1 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 0 1 0 0 0 1 0 0 0 0 1 0 0 0 0 0 1 0
CLASS	5070003-01 MODEL: ECO NO: DATE OF LA	PART NUMBER	907003-01 807-R22-05 807-5R6-05 109-106-84 109-632-TX 6920026-01
-	SO7000 MODEL: ECO NO DATE O	PAI	900 1005 1005 1005 1005

### DISTRIBUTION: DEBBIEF BILL OF MATERIAL

AS OF 11/03/99

REQ:N=PART OPTIONAL
Y=PART REQUIRED
PF: N=PART DOES NOT PRINT ON SALES ORDER
Y=PART PRINTS ON SALES ORDER W/O PRICE
P=PART PRINTS ON SALES ORDER WITH PRICE OP: ORDER POLICY CODE PREAMP BD ASSY, SL COMMODITY CLASS ASSEMBLY, ELGAR - PCB OPCODE: 3 REV: E ECO NO: DATE OF LAST ECO: 00/00/00 CLASS CODE GROUP: 1 CLASS CODE: 180 5070004-01 MODEL: 

OBSOLETE	4 1	0/00/0		6/66/6	6/66/6	6/66/6	6/66/6	6/66/6	6/66/6	6/66/6	6/66/6	6/66/6	6/66/	6/66/6	6/66/6	6/66/6	0/00/6	0,00,0	N / N N / N	7 7 8 8 7 8	6/66/6	6/66/6	6/66/6	`		6/66/6	, 0	0,00,0	W / W W / W	K / K K / K	6/66/6	6/66/6	6/66/6	6/66/6	6/66/6	6/66/6	6/66/6	6/66/6	0/66/6	0/00/0	6/66/6	7 7 7 7 7 7	6/66/6	6/66/6	6/66/6	6/6
EFFECTIV DATE		0/90/6			0/00/0	0/00/0	0/00/0	0/00/0	0/00/0	0/00/0	0/00/0	0/00/0	00/00/00	0/00/0	0/00/0	0/00/0	0/00/0	0/00/0			0/00/0	0/00/0	0/00/0	0/00/0		00/00/0	00/00	00/00/0			00/00/0	00/00/0	00/00/0	00/00/0	00/00/0	00/00/0	00/00/0	00/00/0	00/00/0	00/00/0	00/00/0		00/00/0	00/00/0	00/00/0	00/00/0
REFERENCE DESIGNATOR						ເລີ	9 2	2	10,1	c1	C3 FSV	60	C4	C1	CR1	CR2-8	L1	03	0.0		×	י ה זיכ		R29,31,34,		3,25		7			7 7 7	0,14,10	8,30	,6,16				2,13		-			6 6 7 7			7
124	1	0	· c	> <									0														0																			
DAYS OFF SET	- 1	0	c	• •		<b>-</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	· C	• <	> <	5	0		0	0	0	0	· c		,	> 0	> 0	> (	>	0	0	0	0	0		• <	> <	، د	0
PREP		0	0				9	00.	00.	00.	00.	00.	1.000	0.	.00	00.	00.	.00	.00	00.				.00		9	1.000	00.	.00	00	0	,		•	9 6	9	0	00.	00.	00.	00.	0.0		2	2 6	0
K N O F F	-	ΥN	ΝX	2	. 2	5 5	Z ;	z	ΚN	Z	N :	K N	Z	ΥN	ΚN	ΧN	ΝX	ΛN	ΛN	ΧN	N		5 ;			Ϋ́Ν	ΥN	ΧN	ΝX	ΥN	Ν×	: Z	5 X X		N 12	2 ;	Z ;	ΧN	ΛN	ΧN	ΥN	ΝX	. N	: 2	N 10 10 10 10 10 10 10 10 10 10 10 10 10	z
	1												m :														<b>м</b>						n a	1 0	9 6	9 4	<b>a</b> :	ŋ	Ф	Д	æ	я	ρC	) п	a 6	n
LD TR UI	1	0	0	0		, ,	4 ; 5 c	۱ ا ک د	±1 !	थ । > (	ə (	의 : ()	O EA	20 I	⊃ . E4	E E	<u>ы</u>	O	ы ы	0	ω 0	<u>تا</u> ا		×	٠	થ ૦ •	0 EA	Μ 0	ы 0	0	0	E		1 6	1 6	9 6	4 1	리 > ·	e e	EI EI	E	E	E	) FE	10	1
M O	i	٠.	٠,	٠.	٠	•	•	•	•	•	•	•	7.00	•	٠,	•	0	٠.	۰.	۰.	0	C	•	•		9	1.00	00.	00.	.00	.00	00,	0		,	•	•	9	0	00	.00	00.	00.	00	,	•
OTY	,	0	0	00.	0.0								1.000	9.0	) ·	9	9	.00	00.	00.	00.	0 0	,	2	6	000	1.000	000.	000.	000.	000.	000.	000	000				000	000	000.	000.	000.	000.	000		
		-	o.	12	15		- 1	- 0	9 6	, ,	7 6	4 6	<b>4</b> C	* (	9 1	7 0	n (	9	37	38	39	40		r	4	n (	4 ·	4 /	48	4 9	21	52	53	5.4	יע		, (	1 0	· ·	χο : Φ	69	7.5	73	7.5	76	>
>	!	ы	ď	Ē	æ	æ	ומ	י נ	ם	ء د	ם ב	9 6	4 [4	4 0	9 0	، د	וב	<b>4</b>	œ1	ບ	ſŁι	U																				ບ	ы	В	æ	1
O A4	1	•	m	m	m		۰ ۳	יי ר	י נ	י מ	יי נ	י ר	י נ	,	יי	י ר					e	ო	~	•	~	י כ	<b>?</b> (	<b>n</b>	m	m	က	m	m	က	٣	~	~					m	<u>ო</u>	က	m	· ·
i	E C C M M C	A TENEDRAL OF	CAM, FREAMP BU SL	EAMP PCB, SL/SX SERIE	P,47PF,500V,5%,	P,300PF,500V,5%	P, .0068UF, 100V.	10UF, 200V, 10%, FIT.M	OUF, 50V	022UF.200V.1	20UF, 10V, 208, TAN	.7UF.35	OUF 50V AL AXI	ZENER 12V 5W	PWR 400V 14 1840	TOR 15011 SW	ON KLOOCKE KY NOY ONG	NDN 2011 PROCESSON	MFN, 30 V, FN 36 4 3, TO - 9 2	NFN, 1/5V, ZA, ZN3583,	PNP, 225V, 2N6211, TO-6	AL, PNP, AMP, MATCHE	RES, 100, 1/2W, 28, MF		ES, 10K, 1/2	ES. 1.2K.1/2W 28	S 15 1/24 29 ME	0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	E3 . 4 / 1 / 2 W . 2 % . MF	5, 1.8K, 1/2W, 2%	5,33,1/2W,2%,MF	S,4.7,1/2W,5%,	S, 4.7K, 1/2W, 2	S, 6.2K, 1/2W, 2%	S, 8.2K, 1/2W, 2%, M	S, 2.2K, 1W, 5%	3,2.2K,2W,5	3.3.32K 1/4W 18 700 BNED W	3 3 3 2 K 1 / M 19 700 DW	TO THE TOTAL TO TOO TOO TOO TO TOO TOO TOO TOO TOO	3,3,11A,1/4W,18,/UC,RN60,M	DA'TOZ'MI'OT'	C, 1.0K, 1W, 2	430-108, B	,430-102, RE	
PART NUMBER	070004	0 0 0 0 0 0			0-0/5-07	20-301-0	22-682-1	22-104-0	22-106-1	22-223-0	23-227-6	23-475-6	824-506-71	43-524-2	45-400-4	51-150-0	32-P29-0	35-364-3	39-258-3		7-170-7	0-T85-61	32 - 101 - 0		2-103-0	02-122-0	02-150-	2-470-0	02-182-0	0.0000000000000000000000000000000000000		0-14K/-0	02-472-0	02-622-0	02-822-0	03-222-0	4-222-0	13-332-1	13-332-2	13-511-1	19-100-2		5-701-61	-430-	2-430-0	

ы	II	
Z,	Iŧ	d
H	II	o
æ	11	`
M		
E-i		ď
Z,		-
Σ	ï	_
_	ï	_
Ē	ii	•
0		r-
_	II	7
		•
낻	Įf	
H	II	U
Н	Ħ	Ø
ш	ì	

- PCB

ASSEMBLY, ELGAR COMMODITY CLASS

180

CLASS CODE GROUP: 1 CLASS CODE: 180

N=PART DOES NOT PRINT ON SALES ORDER
Y=PART PRINTS ON SALES ORDER W/O PRICE
P=PART PRINTS ON SALES ORDER WITH PRICE REFERENCE DESIGNATOR 111111111 OP: ORDER POLICY CODE REQ:N=PART OPTIONAL Y=PART REQUIRED TP3 SEQ 0 00000000 DAYS OFF SET PF: N=PART 1.000 2.000 2.000 2.000 2.000 12.000 00009 000.9 PREP R E E шы įz, E E E E E ΕÀ Ε ΕÀ ΕA 1.000 ASSEMBLY FACTR 1.000 1.000 1.000 QTY PER YIELD 1.000 1.000 1.000 1.000 1.000 6.000 2.000 2.000 2.000 2.000 1.000 1.000 3.000 00009 . 0 N 77 78 81 83 84 85 87 888 999 5  $_{
m SL}$ RV PREAMP BD ASSY, m m U д HTSK, ALUM, BASE, T066 WASHER, 6, INT LOCK WASHER, 4, FLAT, SM OD TP,430-106,ORG TP, 430-107, YEL OPCODE: 3 REV: DESCRIPTION ECO NO: DATE OF LAST ECO: 00/00/00 PART NUMBER 109-633-BK 110DA04-04 111DA04-01 111DE04-01 892-430-03 894-616-6C 110CA04-07 111CE04-01 112CB04-01 892-430-04 5070004-01 MODEL:

66/66/66 66/66/66 66/66/66

66/66/66 66/66/66 66/66/66

66/66/66

00/00/00 00/00/00 00/00/00

1.000

EFFECTIV OBSOLETE

DATE

DATE

66/66/66 66/66/66 66/66/66

00/00/00 00/00/00

00/00/00 00/00/00 00/00/00 00/00/00 00/00/00

### 

ORDER P	EQ:N=FART OFTIONAL  Y=PART REQUIRED  F: N=PART DOES NOT PRINT ON SALES  Y=PART PRINTS ON SALES ORDER W/	-PART PRINTS ON S	DAYS PREP OF REFERENCE BFFECTIV OBSOLETE CODE SET SEQ DESIGNATOR DATE DATE		6/66/66 00/00/00 0 0 0 000	6/66/66 00/00/00 0 0 0 000	000 0 0 TT 0 00/00/00 000	00 0 0 0 0 0 0 0 00 00 00 00 00 00 00 0	6/66/66 00/00/00 L'9E 0 0 000.	.000 0 0 R7 00/00/00 99/99/9	6/66/66 00/00/00 0 0 00	6/66/66 00/00/00 0 0 0 000.	6/66/66 00/00/00 0 0 0 000	6/66/66 00/00/00	6/66/66 00/00/00	6/66/66 00/00/00 0 0 0000	6/66/66 00/00/00 0 0 0 000.	/66/66 00/00/00 0 0 0 000.	6/66/66 00/00/00 0 0 00	
	Y, DIVIDER-1001SLE		R O ITEM QIY PER YIELD EP P RV NO. ASSEMBLY FACTR UM SC OF	11 11 11 11 11 11 11 11 11 11 11 11 11	# 000 T 000 T	10 1.000 1.000 EA B	1.000 1.000 EA B	.000 1.000 EA B	15 2.000 1.000 EA B	1.000 I.000 EA B	0 2 000 1 000 BA F	000 T 000 9	2 6.000 1.000 EA F	3 6.000 1.000 EA T	4 6 000 1 000 EN E	5 4 000 1 000 HP H	4 000 1 000 B	7 4 000 1 000 BA F	4.000 I.000 E.	1.000 1.00
ROUP: 1 COMMODITY CLASS 550 PHANTOM	OPCODE: 3 REV: A PANEL ASSY, DI: 0: 07/09/97		DESCRIPTION	DIVIDER ASSY 1001SL	DIVIDER	XFMR ASSY, INPUT - AC	GROMMET, RUBBER, 1/4ID 3/8 OD	RECT, BRDG, 100A, 200V, 1PH	RES. 015.50W.5% WW	SCREW, 4-40 X .375, ppH		SCREW, 6-32 X .375, PPH	WASHER, 6, INT LOCK	WASHER, 6, FLAT	NUT, 6-32, HEX, CS	SCREW, 1/4-20 X .500, PPH	WASHER, 1/4, SPLIT LOCK	WASHER, 1/4, FLAT	HTSK, ALUM, 2.25X1.75TN	
CLASS CODE GROUP: 1 CLASS CODE: 550	5071007-04 OPCODE: MODEL: 1001SLE ECO NO: R1541 DATE OF LAST ECO: 07/09/97		PART NUMBER	5071007	9071007-01	5071074-01	109-217-0X	856-412-51	810-R15-05	110CA04-06	111CE04-01	110DA04-06	1110804-01	111DA04-01	112DB04-01	110HA04-08	111HC04-01	111HA04-01	894-FWB-TP	

AS OF 11/03/99

LI,200,2.MDATAB01 ELGAR CORPORATION WED, NOV 3, 1999, 1:53 PM

COMMODITY CLASS PHANTOM CLASS CODE GROUP: 1 CLASS CODE: 550

5071014-01 MODEL:

ECO NO: DATE OF LAST ECO: 00/00/00

PART NUMBER

5071014-BS 826-403-75

PF: N=PART DOES NOT PRINT ON SALES ORDER
Y=PART PRINTS ON SALES ORDER W/O PRICE
P=PART PRINTS ON SALES ORDER WITH PRICE DAYS OFF REFERENCE 1 SET SEQ DESIGNATOR OP: ORDER POLICY CODE REQ:N=PART OPTIONAL Y=PART REQUIRED PREP CODE R E O QTY PER YIELD ď NO. 9 ITEM O P RV 1 00 CAPACITOR ASSY æ CAPACITOR ASY BASIC CAP, 40KUF, 75V, AL, RAD OPCODE: 3 REV: B DESCRIPTION

1.000

66/66/66 00/00/00 66/66/66 00/00/00 66/66/66 00/00/00 0 0

EFFECTIV OBSOLETE

DATE

DATE

PAGE NO:

CAPACITOR ASY BASIC COMMODITY CLASS PHANTOM OPCODE: 3 REV: B CLASS CODE GROUP: 1 CLASS CODE: 550 5071014-BS MODEL: ECO NO: DATE OF LAST

	ρ Ω Ω	ONDER D PRICE TH PRICE	OBSOLETE	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	66/66/66	66/66/66	66/66/66	66/66/66	66/66/66	66/66/66	66/66/66	6					
	N P	RDER W/	EFFECTIV DATE	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	00/00/00	00/00/00	00/00/00	00/00/00	00/00/00	00/00/00	00/00/00	00/00/00	00/00/00	00/00/00	00/00/00	00/00/00	
ORDER POLICY CODE	- X	TS ON SALES	REFERENCE EQ DESIGNATOR		·	0	0	0	0	0	0	0	0	0	0	0	
R POL	ART OPTI ART REQU		S E E	; ; ; (	۰ د	0	0	0	0	0	0	0	0	0	0	0	
OP: ORDE	REQ:N=PART Y=PART PF: N=PART	Y=PAR P=PAR	PREP OF CODE SE		•		0	2.000	2.000	•	2.000	2.000	•	٠.	2.000	4.000	
			S E E	1 2	2 X	Z :	N .	Ν	ΥN	N	Z .	N V	N	N	ΚN	ΥN	
			UM SC	   6		€ ,	∢ .	<	<	< .	< .	EA F	< 1	전 전 :		EA F	
			Y I E L D F A C T R	101		000	000.1	1.000	0 '	1.000	000.1	1.000	000.1	9	۰	1.000	
			QTY PER ASSEMBLY	1000	2	•	•	•	•	•	•	•	•	•	•	4.000	
	IC A		ITEM NO.	1 60	14	, ,	- 6	٦ ر پ	0 7	7 7	, ,	# u	0 0	9 1	7 0	8 7	
	SY BASIC		O P RV	. 4	3	; , ~	) r	3 0	י ר		י ר	o c	, c	, c	ر د د	д Э	
	CAPACITOR AS			R A	r, 3IN, DIA	W. AXT.	Наа	# # # # # # # # # # # # # # # # # # #	ממ מי		OD. 375 2TNC	WASHER, 8, INT. LOCK			# + O % & A O O I	TOOK LOOK	
PHANTOM	OPCODE: 3 REV: B	0	DESCRIPTION	BRACKET, CAPACITOR	CLAMP, CAP, RND, VERT, 3IN, DIA	RES, 1.0K, 10W, 58. WW. AXT.	6-32 X 375	SCREW. 8-32 X 625 DDH	SCREW. 10-32 X 375 CBU	WASHER, 6. FLAT	A. B. FLAT. SMT.	Y. S. INT. LOCK	WASHER, 6, INT LOCK	NUT.8-32.HEX.STD.CS	LUG. #10. SOTORD ING IOCK ANDIB		
220	OPCODE	0/00/00	DESCRIP	BRACKI	CLAMP	RES, 1	SCREW	SCREW	SCREW	WASHE	WASHEI	WASHE	WASHER	NUT.8-	1.06.#1		
CLASS CODE: 550	5071014-BS MODEL: RCO NO:	DATE OF LAST ECO: 00/00/00	PART NUMBER	9071014-01	896-CMC-48	808-102-05	110DA04-06	110EA04-10	110GH04-06	111DA04-01	111EA04-01	111EE04-01	111DE04-01	112EB04-01	1070400-04		

# 

COMMODITY CLASS PHANTOM CLASS CODE GROUP: 1 CLASS CODE: 550

OPCODE: 3 REV: B FLTR ASSY, INPUT-751/1001/1203	
В	
REV:	
က	
OPCODE:	05/27/97
5071070-01 MODEL:	ECO NO: N970473 DATE OF LAST ECO: 05/27/97

CLASS CODE:	550 PHANTOM			0P: 0	RDER P	POLICY CODE			
5071070-01 MODEL:	OPCODE: 3 REV: B FLTR ASSY, INPU	T-751/1001/1203	01/1203	REQ: N	F	NAL RED			
ECO NO: N970473 DATE OF LAST ECO:	05/27/97			PF: N:	=PART   =PART   =PART	T PRINT ON SALES ON SALES	ON SALES O ORDER W/O ORDER WIT	ORDER O PRICE TH PRICE	
PART NUMBER	DESCRIPTION	ITEM RV NO.	TY PER YIEL SEMBLY FACT	PREP CODE	DAYS OFF SET	REFERENCE SEQ DESIGNATOR	EFFECTIV DATE	OBSOLETE DATE	
5071070	l m	! !	NA 4 4 000 1 000 .	100	1				
2071070-01	r/sx 3	C 1	00 1.000 EA B Y	0		<b>&gt;</b> c	00/00/00	6/66/6	
880-20K-1X	BOX-SL/SX 3	7	00 1.000 EA P	0			0/00/0		
893-30A-3P	m r	m ·	.000 1.000 EA B	1.000	0	0	/00/0	n / o	
109-210-10	STDF, 6-32 X .875L . 25HX at.	4 4	00 1.000 EA B	°.		0	0/00/0	6/6	
111DE04-01	י ר		.000 I.000 EA B	00.	-	0	0/00/	6/66/	
111DA04-01	WASHER, 6, FLAT	9 1	.000 1.000 EA F	00.		0	0/00/	6/66/6	
110DA04-10	) r	~ o	.000 1.000 EA F	00.	0	0	/00/0	/66/6	
112DB04-01	NUT, 6-32, HEX. CS		00 I.000 EA F	00.		0	0/00/	6/66/6	
1070116-03	יי ני	×	.000 1.000 EA F	0		0	0 /	/66/6	
107-240-15	n ~		.000 1.000 EA F	. 00		0	/27/97	6/66/6	
107-240-10	٦ <b>٣</b>	11	000 1.000 EA F	٥.		0	00/00/0	6/66/	
1130310-99	T. 1050	<b>-</b>	.000 1.000 EA F	00.		0	00/00/00	6/	
1130316-54	WIRE, 16 AWG. 600V CRN / VET HT 10 C 2	7 -	OU LOUG FT F				00/00/	6/66/	
9071071-01	<b>,</b>	٠,	00 I.000 FT	000.		0 AR	00/0	6/66/6	
110DA04-05	י רי	A 15	.000 1.000 EA B	0		0	00/00/0	6/66/6	
107-240-09	ν,	٠,	.000 1.000 EA F	00.		0	00/00/0	0/00/0	
1130312-54	<b>~</b> (	⊣,	00 1.000 EA F	1.000		0 E4	00/00/0	0/00/0	
111FC20-01	WASHED 10 COTTH TOWN OF 105 3 -	18	00 1.000 EA	000.		Ā	00/00/0	0/0	
•	MASHEN, 10, SFLII LOCK, SS	19	1.000 1.000 EA F YN	1.000	0	0	5/22/67	100/0	
•								010010	

OP: ORDER POLICY CODE
REQ:N=PART OPTIONAL
Y=PART REQUIRED
PF: N=PART DOES NOT PRINT ON SALES ORDER
Y=PART PRINTS ON SALES ORDER W/O PRICE
P=PART PRINTS ON SALES ORDER W/O PRICE

## 

COMMODITY CLASS ASSEMBLY, ELGAR - PCB

CLASS CODE GROUP: 1 CLASS CODE: 180

PWA MOTHER ST.	777		
PWA.			
Q			
REV:			
က			
OPCODE: 3 REV:			09/11/60
5071075-03	MODEL: SL SERIES	ECO NO: N990897	DATE OF LAST ECO: 09/17/99

MOTHER BOARD  MO	. ! ! !	DESCRIPTION	D RV	TEM NO.	OTY PER YIELD ASSEMBLY FACTR UM	R EP	PREP CODE	DAYS OFF SET	REFERENCE SEQ DESIGNATOR	EFFECTIV (	OBSOLETE DATE
3 C	PWB, SCHEM	MOTHER BOARD		i	1.000 1.000 EA		1.00	100		00/00/0	/66/6
SC,WADH   3 C   4   .000   1.000 EA P YN   .000   0   REF   00/00/00   0   99/99/99/99/99/99/99/99/99/99/99/99/99/	PWA.	MOTHER		e	00 1.000 EA		00	0	1 12	00/00/0	6/66/6
MF 3 - 10 2.000 1.000 EA B YN 1.000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	LAB	7 7 7 1		4.0	.000 1.000 EA	×	0	0	RE	00/00/0	6/66/6
MF 3 11 4.000 EA B YN 2.000 0 0 R1,2 00/00/00 99/99, 99/99	RES	M		ν.	.000 1.000 EA	×	00.	0	0	00/00/0	6/66/6
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	RES	,536K,1/2W,1%,RN65.MF	ו הי	) -	.000 1.000 EA		00.	0	R1,2	00/00/0	6/66/6
-220 3 C 20 1:000 EA B YN 2:000 0 0 R3-8 05/23/97 99/99/99/99/99/99/1000 EA B YN 1:000 0 0 C1,2 00/00/00 99/99/99/99/99/99/99/99/99/99/99/99/99/	RE	S, 390K, 1/4W, 18, 25PPM	. ~	1 7	.000 1.000 EA		00.	0	R9-1	5/23/97	6/66/6
1	CA	P, 100F, 50V, 108, CER	, r	<b>7</b>	AE 000 1 000		00.	0	R3-	5/23/97	6/66/6
IN5363B 3 A 26 1.000 EA B YN 1.000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	X	TR. NPN. 80V. TIP29B. TO-220		9 6	.000 1.000 EA		00.	0	C1,	00/00/0	6/66/6
1 No. 2	×	TR, PNP, 80V, 1A, TIP30B, TO-220		, ,	.000 I.000 EA		00.	0	Ö	00/00/0	6/6
56, VERT 0 - 32 1.000 1.000 EA B YN 2.000 0 CR1,2 00/00/00 99/99/99/99/1000 1.000 1.000 EA B YN 1.000 0 CR3 00/00/00 99/99/99/99/99/1000 1.000 1.000 EA B YN 1.000 0 0 J7 09/17/99 99/99/99/96/96/96/96/99/99/99/99/99/99/9		ODE, ZENRR 30V 5W 58 TM53630		7 (	.000 1.000 EA		00.	0	ø	00/00/0	6/66/6
56, VERT 3 - 32 1.000 1.000 EA F YN 1.000 0 0 CR3 00/00/00 99/99/56, VERT 3 - 34 1.000 1.000 EA B YN 1.000 0 0 J7 09/17/99 99/99/56, VERT 0 - 36 1.000 1.000 EA B YN 1.000 0 0 J7 09/17/99 99/99/956, VERT 0 - 38 1.000 1.000 EA B YN 1.000 0 0 J4 09/17/99 99/99/96, VERT 0 - 42 1.000 1.000 EA B YN 1.000 0 0 J4 09/17/99 99/99/96, VERT 0 - 42 3.000 1.000 EA B YN 1.000 0 0 J4 09/17/99 99/99/96, VEC MNT 3 A 48 1.000 1.000 EA B YN 1.000 0 0 J6 09/17/99 99/99/96, VEC MNT 3 A 56 1.000 1.000 EA B YN 1.000 0 0 XA1 00/00/00 99/99/99/96, VEC MNT 3 A 56 1.000 1.000 EA B YN 1.000 0 0 XA2 00/00/00 99/99/99/99/99/99/99/99/99/99/99/99/99/	2	CT. PWR. 400V 18 1NAOOA		9 0	.000 1.000 EA		00.	0	CR1,	00/00/0	6/66/6
56, VERT 3 - 34 1.000 1.000 EA B YN 1.000 0 0 59 99/99/99/99/99/17/99 99/99/99/98 1.000 1.000 EA B YN 1.000 0 0 57 09/17/99 99/99/99/99/99/99/99/99/99/99/99/99/	5	10111111111111111111111111111111111111		87	.000 1.000 EA		00	0	CR	00/00/0	6/66/6
56, VERT 0 - 34 1.000 1.000 EA B YN 1.000 0 0 J7 09/17/99 99/99/56, VERT 0 - 36 1.000 1.000 EA B YN 1.000 0 0 J5 09/17/99 99/99/956, VERT 0 - 40 1.000 1.000 EA B YN 1.000 0 0 J4 09/17/99 99/99/956, VERT 0 - 42 3.000 1.000 EA B YN 3.000 0 0 J2, 3A,3B 09/17/99 99/99/956, VERT 0 - 44 1.000 1.000 EA B YN 1.000 0 0 J2,3A,3B 09/17/99 99/99/96 NY 3 A 48 1.000 1.000 EA B YN 1.000 0 0 J6 09/17/99 99/99/96 NY 3 A 50 1.000 1.000 EA B YN 1.000 0 0 XA1 00/00/00 99/99/99/96 NY 3 A 56 1.000 1.000 EA B YN 1.000 0 0 XA2 00/00/00 99/99/99/99/99/99/99/99/99/99/99/99/99/	5	NN 30 HDD 48 OFOUR 156 THEFT	ı 5 c	22.5	.000 1.000 EA		00	0	J	9/17/99	6/66/6
56, VERT 0 - 36 1.000 1.000 EA B YN 1.000 0 0 55 09/17/99 99/99/95, VERT 0 - 42 1.000 1.000 EA B YN 1.000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5	NN AP HOP AS SEATT 150 VERT	ו הי	4.	.000 1.000 EA		00.	0	ŋ	9/17/99	6/66/6
56, VERT 0 - 40 1.000 EA B YN 1.000 0 0 J4 09/17/99 99/99/56, VERT 0 - 42 3.000 1.000 EA B YN 1.000 0 0 J1 09/17/99 99/99/156, VERT 0 - 42 3.000 1.000 EA B YN 1.000 0 0 J2, AA,3B 09/17/99 99/99/156, VERT 0 - 44 1.000 1.000 EA B YN 1.000 0 0 J6 09/17/99 99/99/99/9C MNT 3 A 50 1.000 1.000 EA B YN 1.000 0 0 XA1 00/00/00 99/99/99/9C MNT 3 A 56 1.000 1.000 EA B YN 1.000 0 0 XA1 00/00/00 99/99/99/92 A 56 1.000 1.000 EA B YN 2.000 0 0 XQ1,2 00/00/00 99/99/99/99/90/90/90/90/90/90/90/90/90/9	5	TARY OCT. VOCZ AR OTH GA NN	ا د د	9 0	.000 1.000 EA		00	0	ה	9/17/99	6/66/6
56,VERT 0 - 40 1.000 EA B YN 1.000 0 0 J1 09/17/99 99/99/156,VERT 0 - 42 3.000 1.000 EA B YN 3.000 0 0 J2,3A,3B 09/17/99 99/99/156,VERT 0 - 44 1.000 1.000 EA B YN 1.000 0 0 J6 09/17/99 99/99/9/9C MNT 3 A 50 1.000 1.000 EA B YN 1.000 0 0 XA1 00/00/00 99/99/9/9C MNT 3 A 56 1.000 1.000 EA B YN 1.000 0 0 XA2 00/00/00 99/99/9/9C MNT 3 A 56 1.000 1.000 EA B YN 2.000 0 0 XQ1,2 00/00/00 99/99/9C SS 3 71 2.000 1.000 EA F YN 2.000 0 0 0 XQ1,2 00/00/00 99/99/9SS 3 72 2.000 1.000 EA F YN 2.000 0 0 0 0/00/00 99/99/9SS 3 74 6.000 1.000 EA F YN 4.000 0 0 0/00/00 99/99/99/99/99/99/99/99/99/99/99/99/99/	ŭ	NN. 7P HDR 48 2507 155 WENT	ı - c	χ, Σ	.000 I.000 EA		0	0	'n	9/11/99	/66/6
156,VERT 0 - 42 3.000 1.000 EA B YN 3.000 0 0 J2,3A,3B 09/17/99 99/99/156,VERT 0 - 44 1.000 1.000 EA B YN 1.000 0 0 J6 3A,3B 09/17/99 99/99/99/90 1.000 1.000 EA B YN 1.000 0 0 XA1 00/00/00 99/99/99/99/90 1.000 1.000 EA B YN 1.000 0 0 XA2 00/00/00 99/99/99/99/99/99/99/99/99/99/99/99/99/	, 5	NN SO HOD AN DEGY 150 VERT	; o c	0 4	.000 1.000 EA		.00	0	ŋ	9/17/99	6/66/6
JOHN TO SERVING TO THE SERVING TO TH	ני כ	NN 100 400 48 2500, 120, VEKT	I		.000 1.000 EA		00.	0	J2,3A,3	9/11/99	/ 66/6
FC MNT 3 A 48 1.000 1.000 EA B YN 1.000 0 0 XA1 00/00/00 99/99/ FC MNT 3 A 56 1.000 1.000 EA B YN 1.000 0 0 XA2 00/00/00 99/99/ SS 3 70 2.000 1.000 EA B YN 2.000 0 0 XQ1,2 00/00/00 99/99/ SS 3 71 2.000 1.000 EA F YN 2.000 0 0 0 0/00/00 99/99/ SS 3 72 2.000 1.000 EA F YN 2.000 0 0 0/00/00 99/99/ SS 3 74 6.000 1.000 EA F YN 4.000 0 0 0/00/00 99/99/99/99/99/99/99/99/99/99/99/99/99/	, ,	MN AAD EDGE CREE TA TO TO THE	) )	4 4	.000 1.000 EA		.00	0	J.6	9/17/99	0/00/0
SS 3 72 2.000 1.000 EA F YN 1.000 0 0 XA2 00/00/00 99/99/ SS 3 72 2.000 1.000 EA F YN 2.000 0 0 XQ1,2 00/00/00 99/99/ SS 3 72 2.000 1.000 EA F YN 2.000 0 0 0 0/00/00 99/99/ SS 3 74 6.000 1.000 EA F YN 2.000 0 0 0/00/00 99/99/ SS 3 76 4.000 1.000 EA F YN 4.000 0 0 0/00/00 99/99/99/99/99/99/99/99/99/99/99/99/99/	5	ONN 225 445 5505 CANDINA PC MNT	۲ .	<b>4.</b> 8	000 1.000 EA		00.	0	×	00/00/0	0/00/0
3 A 56 1.000 1.000 EA B YN 1.000 0 KZ 00/00/00 99/99/ 25RD,TI 3 A 70 2.000 1.000 EA B YN 2.000 0 0 XQ1,2 00/00/00 99/99/ SS 3 71 2.000 1.000 EA F YN 2.000 0 0 0 0/00/00 99/99/ SS 3 74 6.000 1.000 EA F YN 4.000 0 0 0/00/00 99/99/ 3 76 4.000 1.000 EA F YN 4.000 0 0 0/00/00 99/99/ 3 78 4.000 1.000 EA F YN 4.000 0 0 0/00/00 99/99/	ן נ	ر	۶ A	20	000 1.000 EA		00.	0	×	00/00/0	0,00,0
3 A 60 2.000 1.000 EA B YN 2.000 0 0 X01,2 00/00/00 99/99/5S 3 70 2.000 1.000 EA B YN 2.000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4 5	LAI, 3A, 24 VDC, 4 PDT	3 A	56	.000 1.000 EA		.00	0	×	00/00/0	/ 66 / 6
.25RD,TI 3 A 70 2.000 1.000 EA B YN 2.000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	- 1		3 A	0 9	.000 1.000 EA		00	_	, A		6/66/6
SS 3 71 2.000 1.000 EA F YN 2.000 0 0 00/00/00 99/99/ SS 3 72 2.000 1.000 EA F YN 2.000 0 0 00/00/00 99/99/ 3 74 6.000 1.000 EA F YN 6.000 0 0 00/00/00 99/99/ 3 76 4.000 1.000 EA F YN 4.000 0 0 00/00/00 99/99/ 3 78 4.000 1.000 EA F YN 4.000 0 0 00/00/00 99/99/	S	.125L,.25RD	3 A	7.0	000 1 000 EA			•	7	00/00/0	6/66/6
SS 3 72 2.000 EA F YN 2.000 0 0 00/00/00 99/99/ 3 74 6.000 1.000 EA F YN 2.000 0 0 00/00/00 99/99/ 3 76 4.000 1.000 EA F YN 4.000 0 0 00/00/00 99/99/ 3 78 4.000 1.000 EA F YN 4.000 0 0 00/00/00 99/99/	၁၀	X .375, PPH, SS		7	\$ F 000			> .	5	00/00/0	6/66/6
3 74 6.000 EA F YN 2.000 0 0 00/00/00 99/99/ 3 76 4.000 1.000 EA F YN 4.000 0 0 00/00/00 99/99/ 3 78 4.000 1.000 EA F YN 4.000 0 0 00/00/00 99/99/	SC	Х . 250. ррн S	, ~	4 6	1.000 EA		9.	0	0	00/00/0	/66/
3 /4 6.000 1.000 EA F YN 6.000 0 0 00/00/00 99/99/ 3 76 4.000 1.000 EA F YN 4.000 0 0 00/00/00 99/99/ 3 78 4.000 1.000 EA F YN 4.000 0 0 00/00/00 99/99/	Z	2		7 .	.000 I.000 EA		00.	0		00/00/0	6/66/
3 76 4.000 1.000 EAF YN 4.000 0 0 00/00/00 99/99/ 3 78 4.000 1.000 EAF YN 4.000 0 0 00/00/00 99/99/	4	HED A COLIT TOOK OO	ກ ເ		.000 1.000 EA		.00	0	0	00/00/0	0/00/
.55 3 78 4.000 1.000 EAF YN 4.000 0 0 00/00/00 9/99/	2	BILLY TO THE TOWN OF	n :		.000 1.000 EA		00.	0	0	00/00/0	0/00/0
	2	ū	m		.000 1.000 EA	ΝĀ	.00	0	0	00/00/0	10010

# 

OP: ORDER POLICY CODE	REQ: N=PART OPTIONAL Y=PART REQUIRED PF: N=PART DORS NOT DETAIN ON CATES	Y=PART PRINTS ON SALES ONDER W/O PRICE
COMMODITY CLASS ASSEMBLY, ELGAR - FGI	OPCODE: 3 REV: B FINAL ASSY - 1001SLE-21	
CLASS CODE GROUP: 1 CLASS CODE: 140	5071076-01 MODEL: SL/SX	DATE OF LAST ECO: 07/01/97

ASSY FRONT - 1001SLE	PART NUMBER	· !		Εž	QTY PER ASSEMBLY	IELD ACTR 1	S C D M M	ĦΩ	DAYS OFF SET	REFER SEQ DESIG	ENCE NATOR	EFFECTIV DATE	OBSOLETE DATE
3-01 PAREL ASSY REAR - 10105EE 3 h 10000 1000 BA Y YN 1.000 0 00.000.00 93/99/99/99/99/99/99/99/99/99/99/99/99/9	0	ASSY - 1001		-	1011	10	1 1			1 1 1 1 1	1	; ; ; ; ;	
PANEL ASSY, MERN   10015EE   10015EE   10010EE   10010	071083-	ASSY, FRONT - 1001ST		10				_	0	0		/00/0	166/6
SIDE PARIE ASSY, INTEGET - 1015EE	071082	ASSY. REAR - 1001SI.E		,		000.	ж : ж :	ŏ	0	0		/00/0	/66/6
PANEL ASSY, MINTER—10015EE 3 F 12 1.000 1.000 EA B 7N 1.000 0 0 00/00/00 99/9999999999999999999	071005-	PANEL LEFT		- F		0000	×	ŏ	0	0		/00/0	166/6
NET   MARIE ASSY CIPTURES   1	071084-	L ASSV RIGHT - 1001cr			000.	000.	m	ĕ	0	0		0/00/0	/66/6
1-01 CONTINUE ASSTSTEERIES A 1 1.000 1.000 EA X YN 1.000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	071007-	ASSV DIVIDED 1001ST		7 .	000.	000.	×	ĕ.	0	0		0/00/0	166/6
4-01 CABLE ASSYRER PARTICLE ASSYRER PART	071033-	STABLECT		γ) ·	000.	0000	×	õ	0	0		0/00/0	66/6
H-SINK NUTKY [1015]	071014-	, 212 EATES		7 .	000	000.	X	ĕ	0	0		0/00/0	166/6
Fight   Figh   Fi	920026-	TK 10019T			000.	1 000°	×	õ	0	0		0/00/0	5/66/6
FIGURE NET MANUESS = 1001SIE	920026-	TOTOOL MI (" MITS	٠ ٢	9 t	000.	000.	Ψ	ë.	0	0		0/00/0	166/6
	070004-	REAMP BD ASSV AT	ים רי בין די	7 -	000.	.000 E	X	õ	0	0		700/0	5/66/6
PRATE ASSY, BRACE   1001SLE   3	071076	10012	4 (	0 0	000.	000.	Ψ K	9	0	0		0/00/0	5/66/6
CARRING   CARR	071085	ASSY. BRACE - 1001ST	) k		0000	000.	X :	ö.	0	0		0/00/0	5/66/6
CORRIGIO	071075-0	INTERNATION FOOTON	٠ ،	2 .	000	000.	×	0	0	0		0/00/0	5/66/6
CARLE ASSY.REAR PANEL-SL/SX   A   COO   COO   CRA F XN   A   COO	10EF04-0	32 7 250 000 00	י ב	7 7	000.	000.	M	0.	0	0		0/00/0	5/66/6
CREW, 6-32 X : 375,PPH	10DF04-0	32 X 375 DEU 02	n r	7 7	000.	0000	F	00.	0	0		0/00/0	5/66/6
CAREWA   6-12 X   2.56   7.5H   3   2.5   4.000   1.000   E.A. F	10DA04-0	32 % 375 ppn	י רי	4 1	8.000	H 000.	F	8.00	0	0		0/00/0	6/66/6
STREW, 8 - 3 X	10EA04-0	32 X 250	י ר	0 7	2.000	0000	<del>,</del> Ε4 Ι	2.00	0	0		0/00/0	6/66/6
SCREW, 6-32 X 312, PPH	1-0	32 × 22	י ר	9 7	000.	000.	F.	00.	0	0		0/00/0	6/66/6
CABLE ASSY, REAR PANEL-SL/SX   A	0-1	32 х 375 рен до	o . r	7 0	000	000	E I	00.	0	0		0/00/0	6/66/
NASHER, 6, SPLIT_LOCK	1-0	CREW, 6-32 X .312, PPH	o ~	9 0	000	000.	Ένι	00	0	0		0/00/0	6/66/
110EQ4-01   WASHER, 6, INT LOCK   3   3   1   2   000   1   000   EA F YN   8   000   0   0   0   0   0   0   0		SPLIT LOCK	n r	, ,		3 C C C C	>+; >-,;	0	0	0		0/00/0	6/66/
SHIELD HS SL/SX NMX	11DE04-	WASHER, 6, INT LOCK	יי ר	, c		3 1 12		8.00	0	0		0/00/0	6/66/
SHIP KIT   1001SLE   3 A 35   1.000 1.000 EA B YN   1.000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	071050-0	SHIELD HS SL/SX NMX A	. A	9 6	0000	2000	ы ; ы	2.00	0	0		0/00/	6/66/
920026-01 SCHM HEATSINK 1001SL A 3 A 39 .000 1.000 EA P XN .000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	071076-0	KIT	4 a	י מ		200	л : я :	000	0	0		0/00/	6/66/
071076-01  SCHM, PREAMP BD SL A  3 A 39 .000 1.000 EA P XN .000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	920026-	HEATSINK 1001SL	; a	2 00		9 6	× :	000	0	0		0/00/	6/66/
INTCONN DIAGRAM - 1001SLE   3 B   47   .000 1.000 EA P XN   .000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	070004-	SL	: a	9 0	> <	9 6	<b>⊬</b> ;		0	0	_	0/00/	6/66/
WIRELIST, CHASSIS - 1001SLE 3 A 42 .000 1:000 EA P YN .000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0710	- 1001SL	: # : #	. 4		4 6	4 t		0 (	0	_	0/00/	6/66/
071076-01  ATP, FINAL ASSY - 1001SLE 3 X 1 44  006813-01  SPEC-751/1001/1751SL A 3 A 45  007001 000 EA P YN  000 0 0 0 REF  00700700 99/99/9  077008-01  CABLE ASSY  CABLE ASSY, REAR PANEL-SL/SX  B 53  1.000 1.000 EA P YN  000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	071076-	T, CHASSIS - 1001SL	1 4			9 6	н ; ч <i>с</i>		۰ د	0	_	0/00/	6/66/
SPEC-751/1001/1751SL A  MANUAL,OPERATOR - 1001SLE 3 A 45	71076-	- 1001SLE	: ×	3 V		9 6			0		,	0/00/	6/66/
071076-01  MANUAL,OPERATOR - 1001SLE 3 A 46 000 1.000 EA P YN 000 0 0 REF 00/00/00 99/99/9  970008-01  CABLE ASSY  A 51 1.000 1.000 EA M YN 1.000 0 0 MBJ1 TO R1 00/00/00 99/99/9  CABLE ASSY,REAR PANEL-SL/SX 3 B 53 1.000 1.000 EA M YN 1.000 0 0 MBJ3 TO J1 00/00/00 99/99/9  MANUAL,SERVICE - 1001SLE 3 A 57 1.000 1.000 EA B YN 1.000 0 0 MBJ3 TO J1 00/00/00 99/99/99/99/99/99/99/1000-01  LABEL,CE CERTIFICATION 3 A 57 1.000 1.000 EA B YN 1.000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	06813-	0-751/1001/17	4 4	* 4		う c c c c c c c c c c c c c c c c c c c	4 i		0	RE	_	0/00/	6/66/
970008-01 CABLE ASSY  3 C 50 1.000 1.000 EA M YN 1.000 0 0 MBJ1 TO RI 00/00/00 99/99/9 970009-01 CABLE ASSY, REAR PANEL-SL/SX 3 B 53 1.000 1.000 EA M YN 1.000 0 0 MBJ3 TO JI 00/00/00 99/99/9 121051-01 CABLE ASSY, REAR PANEL-SL/SX 3 B 53 1.000 1.000 EA M YN 1.000 0 0 MBJ3 TO JI 00/00/00 99/99/9 121051-01 MANUAL, SERVICE - 1001S1E 3 A 54 .000 1.000 EA P YN .000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	071076-	OPERATOR - 1001ST	( a	7 7		2 0 0 0		0	0	R E		0/00/	6/66/
97009-01 CABLE ASSY A 51 1.000 1.000 EA M YN 1.000 0 MBJI TO RI 00/00/00 99/99/9 121051-01 CABLE ASSY, REAR PANEL-SL/SX 3 B 53 1.000 1.000 EA M YN 1.000 0 0 MBJJ TO JI 00/00/00 99/99/9 121051-01 MANUAL, SERVICE - 1001SLE 3 A 54 .000 1.000 EA P YN .000 0 0 00/00/00 99/99/9 121051-01 LABEL, SERIAL TAG, THERMAL 0 B 56 1.000 1.000 EA R YN 1.000 0 0 0 0/00/0/0 99/99/9 161295-01 LABEL, CE CERTIFICATION 3 A 57 1.000 1.000 EA B YN 1.000 0 0 0/7/01/97 99/99/9	970008-	BLE ASSY	د د م م			의 O O O	Α.	0	0			0/00/	6/66/
970009-01 CABLE ASSY A 3 A 51 1.000 1.000 EA M YN 1.000 0 0 MBJ2 TO J6 00/00/00 99/99/9 121051-01 CABLE ASSY,REAR PANEL-SL/SX 3 B 53 1.000 1.000 EA M YN 1.000 0 0 "7	•		י ר		0	000	⊁ ¥	0	0	MBJ1	0 R1	0/00/	6/66/
121051-01 CABLE ASSY,REAR PANEL-SL/SX 3 B 53 1.000 1.000 EA M YN 1.000 0 MBJ3 TO J1 00/00/00 99/99/9 071076-02 MANUAL,SERVICE - 1001SLE 3 A 54 .000 1.000 EA P YN .000 0 0 00/00/00 99/99/9 99/9 1200-01 LABEL,SERIAL TAG,THERMAL 0 B 56 1.000 1.000 EA X YN 1.000 0 0 0 07/01/97 99/99/9 161295-01 LABEL,CE CERTIFICATION 3 A 57 1.000 1.000 EA B YN 1.000 0 0 07/01/97 99/99/9	-6000/6	BLE ASSY	-	51	000.	.000 E	X	00.	0	MBJ2	0 36	0/00/0	0/66/6
071076-02 MANUAL, SERVICE - 1001SLE 3 A 54 .000 1.000 EA M YN 1.000 0 0 MBJ3 TO J1 00/00/00 99/99/9 961200-01 LABEL, SERIAL TAG, THERMAL 0 B 56 1.000 1.000 EA X YN 1.000 0 0 07/01/97 99/99/9 161295-01 LABEL, CE CERTIFICATION 3 A 57 1.000 1.000 EA B YN 1.000 0 0 07/01/97 99/99/9	121051-0	ASSY, REAR PANEL ST. / S			6		İ			, 7			
961200-01 LABEL, SERIAL TAG, THERMAL 0 B 56 1.000 1.000 EA X YN 1.000 0 0 07/01/97 99/99/9 161295-01 LABEL, CE CERTIFICATION 3 A 57 1.000 1.000 EA B YN 1.000 0 0 07/01/97 99/99/9	071076-0	- 1001STE			000	A 0 0 0 0	<b>&gt;</b> +	0	0	MBJ3	0 J1	0/00/0	6/66/6
161295-01 LABEL, CE CERTIFICATION 3 A 57 1.000 I.000 EA B YN 1.000 0 0 07/01/97 99/99/9	961200-0	THEFT U			000	N 000.	⊶	00.	0	0	0	0/00/0	6/66/6
/ CITTER S A S 1 1.000 EA B YN 1.000 0 0 07/01/97 99/99/9	161295-	ST. CE CERTETY			000	3 000 ·	<b>→</b>	00.	0		0	7/01/9	6/66/6
			<b>⊄</b>		000.	.000 E	>-	00.	0	0	0	7/01/9	6/66/6

### DISTRIBUTION: DEBBIEF -BILL OF MATERIAL AS OF 11/03/99

COMMODITY CLASS

CLASS	
COMMODITY	
GROUP: 1	550
CODE	CODE
CLASS	CLASS

CLASS CODE:	550 PHANTOM						0 .	P: OR	α. Δι	н		
5071082-01 MODEL: SL/SX ECO NO: N970473 DATE OF LAST ECO:	OPCODE: 3 REV: B PANEL ASSY, 05/27/97	REAR - 1	001SLE				<b></b>	REQ:N=PPF:N=PF:N=	PART O PART R PART D PART P	OPTIONAL REQUIRED DOES NOT PRINT O PRINTS ON SALES	N SALES OR ORDER W/O ORDER WITH	DER PRICE PRICE
ART NUMBER		RV I	EM 0	ER Y LY F	ыÜ	SC	R GF C	REP ODE	DAYS OFF SET	REFERENCE SEQ DESIGNATOR	EFFECTIV O	BSOLETE
•	- 100	3 33	ı	1 00	.000 EA		1 1 2 2 2		1 6	i		
9971082-01	PANEL REAR - 1001SLE		6	000	000 EA		K N		0		00/00/0	6/66/
61198	LABEL SERIAL TAG	U k	10	000	000 EA	n e	ΥN	0	0	0		66/66/60
22-224-0	2			000	000 EA		N X	0.	0	0	00/00/0	6/66/
53-550-6	GUARD, FAN, RND, 6.38 IN		3 1 1	000	2 6		ZZ	0	0	0	5 00/00/0	6/66/
53-230-0	FAN, 220-230VAC, 200-235CFM, VDE			1 000	44 000		4 ×	5 6	0 0	1	5 00/00/0	5/66/
9	HANDLE, 4.87L, 1.06H, ALUM, CLR				4 4		2 Z		<b>-</b>	0 18 1	5 00/00/0	/66/
, o	****		16	.000	000 EA		XX		· c	<b>&gt;</b> C	5 00/00/0	6/66/
	THERM BLOCK, .438 SPACING			.000	000 EA		ΧN		0	• •	00/00/0	2/66/
, 6	TERM BLA, 3P, 20A, INS	<b>т</b> ,		.000	00 EA		Z	0.	0	. 0	00/00/0	,,,,,,
	TERM BLK TIMBRD SK CMED	∢ ,	19	.000	000 EA		ΧN	0.	0	0	6 00/00/0	0/66/
7-5R6	10	₹	20	.000	0 EA		z	٥.	0	0	6 00/00/0	6/66/
99-973-8A	STDF, 6-32 X 3751. 25HY M/F CS		7 7	. 000	000 EA		z	00.	0		6 00/00/0	6/66/
09-839-75	STDF, 6-32 X . 7501 31HX F/F SS	ء ر	77	1 0000	000 EA		z	00.	0		6 00/00/0	6/66/
0 DA 0 4	SCREW, 6-32 X . 625, PPH	4 A	2 7 7	1 0000	000 EA		z	00	0		6 00/00/0	6/66/
0	LUG, #6, SOLDER, INT LOCK, ANGLE	¢ a	* 4	7 .	000 EA		z	00.	0		6 00/00/0	6/66/
10GA04-07	SCREW, 10-32 X . 438, PPH	3	2 6		O C C C C C C C C C C C C C C C C C C C		z ;	0	0		6 00/00/0	6/66,
112DB04-01	NUT, 6-32, HEX, CS				4 4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	× ;	Z 2	9.	0 (		6 00/00/0	6/66/
0	WASHER, 6, FLAT				4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4		z ;		0		6 00/00/0	6/66,
11DE04-01	WASHER, 6, INT LOCK			1 0 0 0	4 4 4 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	× >	2 2		0 0		6 00/00/0	6/66,
11FC04-01	WASHER, 10, SPLIT LOCK			1 -	4 6		<b>4</b>	9	<b>5</b> (		6 00/00/0	6/66,
9-309-5	PLUG, HOLE, .500, NYLON, BLK			1 0 0 0			2 2		<b>&gt;</b>		6 00/00/0	6/66
-SLV-1	SLEEVING, #22, CLR VINYL	٠ ٣	i m	1 0 0 5	4 6 6 6 6 6		2 2		> e		6 00/00/0	6/66.
31 - 2	SLVG, .187, SHRINK, TYPE1, BLK	Ø	7 7		4 5	٠	2 ;		۰ د		6 00/00/0	6/66
0 - 0 - 0	FLTR ASSY, INPUT-751/1001/1203		. 5.	1 000	T 4 000	<b>∺</b> >	2 2		0		6 00/00/0	6/66/
0.05	SCREW, 6-32 X .312, SEMS, PPH, CS	ш	9		4 6	4 ۵	2 2		<b>-</b>		6 00/00/0	6/66/
116	BRKT, MTG, FERRITE BLOCK-VXP3000	יט		1 -	44	<b>∺</b> >	2 2	000.	<b>-</b>		6 00/00/0	6/66/
F B K	CORE, FERRITE, BLOCK, SET W/CLIP	щ		T 000	44 000	4 >	3 2		<b>-</b>		6 00/00/0	6/66/
S	SCREW, 4-40 X .375, SEMS, PPH, CS			00.	4 0000	+ >			<b>&gt;</b> c		6 00/00/0	6/66/
1EC20-0	WASHER, 8, SPLIT LOCK, SS			.000	000 EA	۱ >	. 2		> 0		6 00/00/0	6/66/
09-093-00	GROMMET, FLEX STRIP, . 093 NYLON	Ą	5.1	.000	000 FT	4 >4	. 2		- 0		05/27/97 99	66/66/
								•	,		8 161171	6/66/

# LI,200,2.MDATAB01 ELGAR CORPORATION WED, NOV 3, 1999, 1:53 PM

COMMODITY CLASS PHANTOM CLASS CODE GROUP: 1 CLASS CODE: 550

	回 回 回	2 5 2 3		
	ER PRIC	OBSOLE	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	
	S ORDI W/O PI WITH I	. ≥		
	ON SALE ORDER ORDER	EFFECT	//00/00 //00/00 //00/00 //00/00 //00/00 //00/00	
	RINT SALES SALES	ENCE		
Y CODE	T ~ T	REFER	CB1 DS1	
OLIC	REQUIE DOES N PRINTS	SEQ		
RDER P		DAYS OFF SET	1000000000000000000	
OP: OR!	REQ: N=1 PF: N=1 PY=1 P=1	<b>まり</b> で	1	
		보면 O	N	
		Σ. S	C C C C C C C C C C C C C C C C C C C	
	•	TR		
		R YI		
	001SLE	OTY PE ASSEMBL	000000000000000000000000000000000000000	
	100	ITEM NO.	200 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
	FRONT	0 4 I	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	
	PANEL ASSY,	   1   1   1   1   1   1	PANEL ASSY, FRONT - 1001SLE PANEL, FRONT - 751/1001 BRACKET COVER SUPPORT C CBR, 20A, 2P, 50/60HZ, VDE LAMP, 12V, SOLID-SATE, VERT, GRN METER, 0-300VAC, RECTIFIED POT, 10K, 2W, 10T, PNL BINDING POST, 30A, PNL MNT, RED SUNDING POST, 30A, PNL MNT, RED BINDING POST, 30A, PNL MNT, RED SCREW, 6-32, HEX, CS SCREW, 10-32 x . 500, PFH, 82D, CS NUT, LOCK, POT, . 25 SHAFT LABEL, NAME PLATE - SLE/SXE	
TOM	EV: A		PANEL ASSY, FRONT - 1001SLE PANEL, FRONT - 751/1001 BACKET COVER SUPPORT C CBR, 20A, 2P 50/60HZ, VDE LAMP, 12V, SOLID-SATE, VBET, G LAMP, 12V, SOLID-SATE, VBET, G METER, 0-300VAC, RECTIFIED POT, 10K, 2W, 10T, PNL BINDING POST, 30A, PNL MNT, B BINDING POST, 30A, PNL MNT, R BINDING POST, 30A, PPL MANDLE, 4.87L, 1.06H, ALUM, CL) MASHER, 6, INT LOCK NUT, 6-32, HEX, CS SCREW, 6-32, K . 550, PFH, 82D, NUT, COCK, POT, . 25 SHAFT LABBEL, NAME PLATE - SLE/SXE WASHER, 7/16, INT TOOTH LOCK	
PHANTOM	er en	PTIOI	ASSY AT 2 CON A 2 CON A 2 CON B 2 CON B 2 CON A 3 CON B 4 CON B 4 CON B 4 CON B 4 CON B 4 CON B 5 C	
550	OPCODE: 3 REV:	DESCRIPTION	PANEL BRANEL BRACKE CBR, CO LAMP, 10 LAMP, 10 BINDIN BINDIN BINDIN BINDIN BINDIN BINDIN BINDIN BINDIN BINDIN BINDIN NUT, 6- SCREW, NUT, 6- IABEL, WASHER	
ODE:	5071083-01 MODEL: AC SL/SX ECO NO: R1219 DATE OF LAST ECO: 03/10/97	H H H	1 3 X 8 B 1 1 1 6 6 0 5 9 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	
CLASS CODE:	5071083-01 MODEL: AC SL/SX ECO NO: R1219 DATE OF LAST EC	PART NUMBER	5071083 9071083-01 852-203-46 854-219-12 857-300-82 891-030-02 891-030-09 891-030-09 1100804-01 1110804-01 1120804-01 1120804-01 1120804-01	
ບ	5071 MODE ECO DATE	PAR	507108 92610108 926-120 852-120 854-21 857-30 891-03 891-03 891-03 1100-03 1110-03 1110-03 1110-03 110-03 110-03 110-03 110-03 110-03 110-03 110-03 110-03 110-03 10-03 10-03 10-03 10-03 10-03 10-03 10-03 10-03 10-03 10-03	

COMMODITY CLASS PHANTOM CLASS CODE GROUP: 1 CLASS CODE: 550

ER POLICY CODE	T OPTIONAL T REQUIRED	ART DOES NOT PRINT ON SALES ORDER ART PRINTS ON SALES ORDER W/O PRICE ART PRINTS ON SALES ORDER WITH PRICE	DAYS OFF REFERENCE EFFECTIV OBSOLETE SET SEQ DESIGNATOR DATE DATE		0 TS1,2 00/00/00 9	0 R9-15 00/00/00 99/99/9	6/66/66 00/00/00 0	6/66/66 00/00/00 0	6/66/66 00/00/00 0	6/66/66 00/00/00	6/66/66 00/00/00 0	6/66/66 00/00/00 0	6/66/66 00/00/00	66/66/66 00/00/00 0 0	6 00/00/00 0	0	0 AR 05/27/97 99/9	6/66/66 00/00/00 0	6/66/66 00/00/00 0	6/66/66 00/00/00 0	0/66/66 00/00/00	6/66/66 00/00/0
OP: ORDER	EQ:		PREP CODE	000	00.	0	0	0	0	00.	.00	00.	00.	00.	00.	0	0	.00	0	4.000	4.000	4.000
	1001SLE		TEM QTY PE NO. ASSEMBL	1 .000 1.000 EA P YN	2.000 1.000 EA B	7.000 1.000 EA B	1.000 1.000 EA B	.000 1.000 EA B	1.000 1.000 EA M	1.000 1.000 EA B	2.000 1.000 EA F	2.000 1.000 EA F	.000 1.000 EA F	2.000 1.000 EA F	F 1000 1.000 3	2 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5		4.000 L.000 EA F	2 1.000 1.000 EA B	4.000 1.000 EA	4.000 1.000 E	28 4.000 I.000 EAF YN
550 PHANTOM	OPCODE: 3 REV: B PANEL ASSY, RIGHT -	05/27/97	>	PANEL ASSY, RIGHT - 1001SLE 3 B	TERM STRIP, 6P, .375IN, LUG TYPE 3 A	י ני	XFMR. PWR. 115/220V 25VA WAR A	XFMR ASSY, OUTPUT-1001St.		SCREW, 8-32 X 375, DPH 820	WASHER, 10. FLAT	NUT, 8-32, HEX. SHD. OS	SCREW, 6-32 X .312. PPH	SCREW, 1/4-20 X .625 PPH 3	WASHER, 8, SPLIT LOCK	ADHSV, SMALL SCREW, THREADICK222 3 B	3 (	י נ	WASHER, 4 SPITT TOOK	CONTRACTOR OF THE CONTRACTOR O	SANDER A BINS IN (C	C TUT 1/1/47
CLASS CODE:	5071084-01 MODEL: SL	ECO NO: N970473 DATE OF LAST ECO: 05/27/97	PART NUMBER	5071084	807-301-05	9071084-01	850-412-25	5071073-01	991-260-90	110EF04-06	111FA04-01	112EB04-01	110DA04-05	110HA04-10	111EC04-01	109-961-2X	110CA04-06	9071086-01	111CC04-01	112CB04-01	111CA04-01	

LI,200,2.MDATAB01 ELGAR CORPORATION WED, NOV 3, 1999, 1:53 PM

COMMODITY CLASS PHANTOM

CLASS CODE GROUP: 1 CLASS CODE: 550

REQ: ORDER POLICY CODE  Y=PART OPTIONAL  Y=PART REQUIRED  PF: N=PART DOES NOT PRINT ON SALES ORDER  Y=PART PRINTS ON SALES ORDER  P=PART PRINTS ON SALES ORDER  P=PART PRINTS ON SALES ORDER W/O PRICE	DAYS PREP OFF REFERENCE EFFECTIV OBSOLETE CODE SET SEQ DESIGNATOR DATE DATE	
	R PER YIELD EP MBLY FACTR UM SC QF	1.000 1.000 EA B YN 1.000 1.000 EA B YN 1.000 1.000 EA B YN 1.000 1.000 EA F YN
BRACE - 1001SLE	O ITEM QTY PRV NO. ASSE	33 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
550 PHANTOM OPCODE: 3 REV: A PLATE ASSY 03/10/97	DESCRIPTION	PLATE ASSY, BRACE - 1001SLE RECT, BRACE - 1001SLE RECT, BRDG, 1PH, 200V, 30A SLEEVING, #22, CLR VINYL CAP, 100F, 600V, 108, FILM LUG, #6, SOLDER, INT LOCK, FLAT WASHER, SHLDR, #1/4, 625 OD, NYL SCREW, 8-32 X 875, PPH WASHER, 8, FLAT, SML OD375 SCREW, 1/4-20 X 1.50, SPH, BRS WASHER, 1/4, FLAT, BRS WASHER, 1/4, FLAT, BRS WASHER, 1/4, FLAT, BRS NUT, 6-32, HEX, CS NUT, 1/4-20, HEX, BRS NUT, 1/4-20, HEX, BRS
CLASS CODE: 550 71085-01 OPCODE: DEL: O NO: R1219 ATE OF LAST ECO: 03/10/97	ART NUMBER	071085 1071085-01 147-085-01 147-090-3X 147-090-3X 122-104-06 070400-02 070400-02 070400-02 070400-02 11EA90-01 11EA90-01 11HA10-01 11DB04-01 12DB04-01 12DB04-01

AS OF 11/03/99

ORDER POLICY CODE

REQ: N=PART OPTIONAL

3, 1999,

LI,200,2.MDATAB01 WED, NOV 3, 1999

COMMODITY CLASS

PHANTOM CLASS CODE GROUP: 1 CLASS CODE: 550

OPCODE: 3 REV: C ECO NO: N950482 5071009-01 MODEL:

EFFECTIV OBSOLETE 08/01/96 99/99/99 66/66/66 00/00/00 Y=PART PRINTS ON SALES ORDER W/O PRICE P=PART PRINTS ON SALES ORDER WITH PRICE PF: N=PART DOES NOT PRINT ON SALES ORDER 00/00/00 00/00/00 00/00/00 00/00/00 00/00/00 00/00/00 00/00/00 06/29/95 REFERENCE DESIGNATOR BRASS NATON Y=PART REQUIRED C 2 SEQ 0 DAYS OFF SET 0 0 0 000 1.000 2.000 1.000 3.000 2.000 3.000 000. 1.000 1.000 PREP CODE S H O F F EA ΕÀ ΕÀ ΕŊ EΑ ΕÀ EA ΕÀ ΕÀ ASSEMBLY FACTR 1.000 000. .000 000. 1.000 1.000 1.000 1.000 1.000 1.000 000.1 QTY PER 3.000 000.1 000. .500 1.000 2.000 1.000 1.000 1.000 1.000 2.000 112 113 115 122 122 227 8 BRACE PLATE ASSY 1 8 8 1 8 8 8 SLEEVING, #22, CLR VINYL
CAP, .10UF, 600V, 10%, FILM
LUG, #6, SOLDER, INT LOCK, ANGLE
LUG, #1/4, SOLDER, INT LOCK, FLAT
WASHER, SHLDR, #1/4, .625 OD, NYL
SCREW, 1/4-20 X 1.50, SPH, BRS
WASHER, 1/4, FLAT, BRS WASHER, 1/4, INT STAR, BRS NUT, 6-32, HEX, CS NUT, 1/4-20, HEX, BRS BRACE PLATE ASSY DESCRIPTION BRACE PLATE DATE OF LAST ECO: 06/29/95 PART NUMBER 111HA10-01 111HE10-01 112DB04-01 112HB10-01 995-SLV-10 822-104-06 1070400-02 1070400-05 109-420-SW 9071009-01 110HB10-24 5071009

66/66/66 66/66/66 66/66/66

DATE

DATE

66/66/66

66/66/66 66/66/66 66/66/66 66/66/66

00/00/00 00/00/00

BRASS

1.000

3.000

66/66/66

66/66/66

	T ON SALES ORDER ES ORDER W/O PRICE ES ORDER WITH PRICE	E EFFECTIV OBSOLETE OR DATE DATE	6/66/66 00/00/00	6/66/6	6/66/66 00/00/0	/66/66 00/00/	6/66/66 00/00/0	A, 00/00/00 99/99/9		6/66/66 00/00/	6/66/66 00/00/0	6/66/66 00/00/	6/66/66 00/00/0	6/66/66 00/00/0	6/66 00/00/0	6/66/66 00/00/0	6/66/66 00/00/	6/66/66 00/00/0	6/66/66 00/00/0	6/66/66 00/00/0	/66/66 00/00/0	6/66/66 00/00/0	6/66/66 00/00/0	6/66/66 00/00/0	66/66/66 00/00/00
POLICY CODE OPTIONAL	REQUIRED DOES NOT PRINT PRINTS ON SALE:	RE SEQ DE	0	0	0 T1	0	0 UIA, UIB		7.B	0 R7A,R7B	0	•	0	0	0	0	0	0	0	0	0 C1B, 2B	0	0	0	0
Α <sub>Ε</sub> -		DAYS OFF SET	i	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OP: ORDER REO:N=PAR		PREP	. 0	00.	1.000	0	.00	4.000		00.	2.000	00.	00.	8.00	18.000	0.00	00.	00.	4.000	.00	.00	.00	00.	0	2.000
		<b>以出口</b> 54 54	N A	ΥN	ΧN	ΝX	ΝX	ΧN		ΛX	ΝX	ΝX	ΛΛ	ΛN	ΝX	ΧN	ΥN	ΝX	ΥN	ΥN	ΧN	ΧN	ΛN	ΧN	ΧN
		× S	EA P	EA B	-	SA B	A	EA B		EA B	Æ	EA F	Æ	A	EA F	ď	A	Ø	Æ	Æ		Æ	Æ	¥	EA F
		D R	10	00	00	0	00	000		000	00	0	00	00	000	00	00	00	00	00	00	00	0	00	000
		Y H	: :		-	0 1.	Ϊ.	۲,		!	-	Ϊ.	Ξ.		0 1.	0	0	0 1.	0	0	0 1.	0	0	0	0 1.
		OTY PE ASSEMBL	10	1.00	.00	1.00	.00	.00		2.00	.00	.00	00.	8.00	0	0.00	.00	.00	.00	00.	.00	.00	.00	0	00.
	1751SLE	щ O Ж .		6	10	12	14	15		16	1 8	19			2.2									3.4	35
	- 17		o		æ	_	ن ص	Eu 		_	8	_		_	_	_	_	_	_	_	H	_	_	~	~
COMMODITY CLASS PHANTOM	SV: A DIVIDER ASSY		SY, 1751SL 3	A	XEMR ASSY, INPUT 1751SL/SX 3	GROMMET, RUBBER, 1/4ID 3/8 OD 3	RECT, BRDG, 100A, 200V, 1PH 3	CONN, 12P, 15A, PNL MNT, SKT		JW, 5%, WW	CLAMP, CAP, RND, VERT, 3IN, DIA	.375.PPH	LOCK	Х .375, РРН	LOCK	1.A.T.	EX, CS	20 X .500, PPH 3	WASHER, 1/4, SPLIT LOCK	FLAT	CAP, 27KUF, 75V, -10/+75%, AL, RAD 3	SCREW, 8-32 X .625, PPH	WASHER, 8, FLAT, SML OD 375, ZINC 3	NT LOCK	EX,STD,CS
	OPCODE: 3 REV:	DESCRIPTION	DIVIDER ASSY	DIVIDER 1751SL/SX	XFMR ASSY,	GROMMET, RUI	RECT, BRDG.	CONN, 12P, 1		RES, .015,50W,5%, WW	CLAMP, CAP,	SCREW, 4-40 X	WASHER, 4. INT LOCK	SCREW, 6-32 X	WASHER, 6, INT	WASHER, 6, FLAT	NUT, 6-32, HEX, CS	SCREW, 1/4-20 X	WASHER, 1/4	WASHER, 1/4, FLAT	CAP, 27KUF,	SCREW, 8-32	WASHER, 8, F	WASHER, 8, I	NUT, 8-32, HEX, STD, CS
CLASS CODE GROUP: 1 CLASS CODE: 550	5121010-03 MODEL: ECO NO: R1219 DATE OF LAST ECO: 03/10/97	PART NUMBER	5121010	9121010-01	5121044-01	109-217-0X	847-100-AB	856-412-81		810-R15-05	896-CMC-48	110CA04-06	111CE04-01	1100804-06	111DE04-01	111DA04-01	112DB04-01	110HA04-08	111HC04-01	111HA04-01	826-273-75	110EA04-10	111EA04-01	111EE04-01	112EB04-01

PAGE NO:

LI,200,2.MDATAB01 ELGAR CORPORATION WED, NOV 3, 1999, 1:53 PM

						σ	_	_			_	_	~	~	~	<b></b>	σ.	σ.	<u>"</u>	σ.	·	σ.		. ·		σ.	6	6	6	s	6	•		
		ORDER O PRICE TH PRICE	0	DATE	6/66/6	6/6	6/66/6	6/66/6	6/66/6	6/66/6	6/66/6	6/66/6	6/66/6	6/66/6	6/66/6	6/66/6	6/66/6	6/66/6	6/66/6	6/66/6	6/66/6	6/66/6	6/66/6	6/66/6	6/66/6	6/66/6	6/66/6	6/66/6	6/66/6	6/66/6	6/66/6	6/66/6	6/66	
		N SALES O ORDER W/O ORDER WIT	ပ	DATE	0/00/	00/00/00	0/00/0	0/00/0	0/00/0	0/00/0	0/00/0	0/00/0	0/00/0	0/00/0	0/00/0	0/00/0	0/00/0	0/00/0	0/00/0	0/00/0	/00/0	0/00/0	/00/0	0/00/0	0/00/0	_	0/00/0	0/00/0	0/00/0	0/00/0	0/00/	0/00/0	/ 00	
	DE	PRINT O N SALES N SALES	ERENCE	IGNATOR	1 		- 4		32	- 4		•	_		_								,								REQUIRE		-	
	N C	UIRED S NOT NTS O	M	O DE			0 RB1		01	CR	H	0	0	0	0	0	0		0	0	0	0	0	0 (	0	0	0	0	0	0	0 AS		. =	>
	ᇤ	T REQ T DOE T PRI	N Fr	EH	. 0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0 .	0	0	0	0	0	0	0	c		>
	ORDER N=PAR	<pre>X = PAR N = PAR Y = PAR P = PAR</pre>	DA	တ	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	c	0 0	>
	OP: REQ:	면 된	55 55	COD	! 0	0	°.	2.0	٠.	٠.	°.	°.		•	٠	•	•	•	٠		•	0.9	9	•	٠	٠	•	2.0	•	1.0	•	0 7		•
			R R P	Ö	ı X	Ϋ́Ν	ΧN	ΚN	ΧN	ΥN	ΧN	ΧN	ΝX	ΧN	ΥN	ΥN	ΥN	ΥN	N X	ΧN	ΧN	ΝX	ΧN	KN	X	ΛN	ΧN	ΧN	ΧN	ΧN	ΧN	N	1 2	4
				ŝ	EA I	ď	₫.	er!	<	ď	ď	æ	ď	a:	Æ	Æ	Æ	Æ	Æ	A	Æ	EA F	A	Ø	æ	Ø	æ	K	E	H	A	E E		٠ •
			Ц	CE	000.	0	000.	00	00.	.00	.00	٠.	00.	00.	000.	.00	.00	00.	00.	.00	.00	°.	.00	00.	00.	.00	00.	.00	0	٠	0	0	•	
			PER Y	LY	000			00	00	0	00	0	00	00	0	00	00	0	00	00	0	0	0	00	00	0	00	000	0		0	0	9 6	5
			T	Σ	4.0		•	•	٠	4.	٠		٠	9	•	٠	4.		•		•	٠	9	٠	-	•	٠	7	•	٠	•			•
		I. A	M E E		100	10	11	12	13	14	15	16	17	18	19	20						26											ם ה ר	
		7518	Н	>	ו ! ט	Æ	A	E	r <sub>D</sub>	٥	В	Д			В					м					A	Ω				Ą	4			
	INK	W/TK 1	0	D.	1 m	m	4	n	m	e	m	ო	က	<u>ო</u>	က	က	m	က	m	1 3	ო	1C 3	<u>ო</u>	က	m	m	က	٣	m	ო	m	•	י ר	า
	- HEATSIN	ASSY W/				<b>4</b>	¥		STR, NPN, 16A, 170V, SELECT, TO3		200F	3.2			LH					STDF, 8-32 X .500L, .25HX, F/F, AL		.375, ZINC			A	.250,NYL			L,80C	WIRE, 22AWG, 300V, WHT, UL, 105C				
LASS	ELGAR	H S			14"	SL	ASSY		, SEL	٠ _	CLS,	TERM TAB, 1/4, 45DEG, .032	.375, PPH	.500, PPH	H LNT		.312, PPH		CK	25	SCREW, 8-32 X .375, PPH	WASHER, 8, FLAT, SML OD375	CK	J	1SI		.250, PPH		VHT, U	VHT, U		£	YW.	so.
		<u>га</u>			TO3. 1	175	BD	RIE	1701	V, 20P	N, NO,	45DE	.375	. 500	1 INCH	CLIP	.312	E	IT IC	.5001	.37	T, SMI	IT LO	LOCI	Y 17	4 AWG	. 25	LOCI	00V,	0 0 V	OUND			ń
COMMODITY	ASSEMBLY,	REV		NOI	7	E-HS	RES	SIS	, 16A	,200	AT, S	,1/4	32 X		4.5	, MTG	32 X	FLA	SPL	× .	32 X	FLA	SPL	, INT	ASS	16-1	4 0 X	TNI	WG, 3	WG. 3	COMPOUND		T / # /	20, H
CO	AS	E: 3		SCRIPTION	HEATSTNK 18	MTG PLATE-HS	HEATSINK RES	CBL-H/S SL	NPN,	RECT, PWR, 200V, 20A	MOST	TAB	SCREW, 6-32	SCREW, 6-32	TIE WRAP, 4.51	NUT, 6-32, MTG	SCREW, 6-32	WASHER, 6, FLAT	WASHER, 6, SPLIT LOCK	, 8-3	.W.8-	HER, 8	WASHER, 8, SPLIT LOCK	WASHER, 6, INT LOCK	SCHEM HS ASSY 1751SL	LUG, ODC, 16-14AWG, FEM	SCREW, 4-40 X	WASHER, 4, INT LOCK	3.16A	2.2A	ERMAL		WASHEK, 1/4, INT	NUT,1/4-20,HEX
UP: 1	150	OPCODE:		DESC	1	MTG	HEAT	CBL-	XSTE	RECT	THEF	TERM	SCRE	SCRE	TIE	NUT	SCRE	WASE	WASE	STDE	SCRE	WASE	WASE	WASE	SCHE	LUG,	SCRE	WASI	WIRE	WIRE	THE		WAS	NOT.
CODE GROUP:		01 L/SX N990078 LAST ECO:		æ	 																													
		4-01 SL/S: N99 FLAS		NUMBE	76-01	11-01	03-01	22-01	62-59	45-368-DX	61-340-0X	5-KT5-3X	04-06	04-08	6-TY2-3M	-C80-91	0 DA 0 4 - 0 5	0	11DC04-01	09-844-3X	04-06	0	04 - 01	04-01	24 - 01	0	04-04	04-01	16-99	6	-2		04-01	04-01
CLASS	CLASS	5121024-01 MODEL: SL/SX ECO NO: N990078 DATE OF LAST EC		PART	9600066		5070003-0	5970022-0	841-V6	845-3	861-3	895-K	110DA	110DA04-08	.I-968	60	0	111DA	111DC	109-8	110EA04	-	111EC04-01	111DE04-0	6121024	107-233	110CA04-0	111CE04-0	1130216	1130222	109-9		111HE04-0	112HB04

LI,200,2.MDATAB01 ELGAR CORPORATION WED, NOV 3, 1999, 1:53 PM

	ER PRICE	SOLET	6	6/66/	6/66/	6/6	6/66/	6/66/	6/66/	6/66/	6/66/	/66/	6/66/	6/66/	6/66/	6/66/	166/	6/66/	/66/	6/66/	6/66/	6/66/	6/66/	6/	6/66/	/66/	66/66/6	
	ON SALES ORD ORDER W/O P ORDER WITH	FECTIV OB	6 00/00	6 00/0	6 00/0	6 00/0	00/0	6 00/0	00/00/0	00/0	6 00/0	6 00/00	6 00/00	6 00/0	6 00/0	6 00/00	6 00/00	6 00/0	6 00/0	6 00/0	6 00/0	6 00/0	6 66/8	6 00/0	6 00/	6 00/00	6 00/00	
CODE	PRINT SALES SALES	CE EF TOR	00			0	. 0	-4	000	00	00	0	0	0	00	0	0	0	00							00	/00	
OLICY CO	REQUIRED DOES NOT PRINTS ON	RE SEQ DE	10	0	R B	,	0	S S	0 (	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		о О	0	
RDER PO =PART O		AYS FF ET		0	0	0	0	0	0 (	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
OP: ORI	, , , , , ,	PREP	! ?	.00	00.	2.00	00.	00.	8.00	00.	00.9	.00	0009	4.00	00.	6.00	.00	.00	.00	6.00	00.	00	0	00	0	0 0	4.000	
		я 10 12 13	 	ΛΛ	ΧN	X	ΝĀ	ΥN	Ν	X	ΛN	ΛN	ΛΛ	ΑN	ΧN	ΝX	ΛΛ	ΧN	ΝX	K	ΧN	ΥN	ΥN	ΧN	ΥN	X	ΥN	
		×			Æ	EA M	¥	4	Ø	Æ	¥	A	Ą	Ø	A		A	Ø	Æ	Æ	ď	ď	A	FT	Ø	4	EAF	
ř		IEL	10	00.	00.	1.000	00.	.00	00.	00.	00.	00.	.00	00.	.00	00.	00.	.00	00.	00.	0	0	.00	00	0	0		
		OTY PER ASSEMBLY	4.000	000.	0000	2.000	000.	000.	8.000	000.	000.9	000.	000.	4.000	000.9	000.	000.	000.	000.	000.	.00	0	0	.00	00	0	0	
	1SL A	TEM NO.	1 6	10	11	12	13	14	1 6	17	18	19	70	2 1	22	23	24	2 5	26	2.7	5 8	29	30	35	3.7		68	
<b>M</b>	K 175	æ				3				~	3	3 B	8	3	3	3	3 B	3	3	ć	3		3 D	٣	3 A	m	וח	
GROUP: 1 COMMODITY CLASS 150 ASSEMBLY, ELGAR - HEATSINI	OPCODE: 3 REV: B H/S ASY W0/T 01/28/99	z	HEATSINK-8 TO3, 14" A	S 1751SL A	BD ASSY A	CBL-H/S SL SERIES	, SELECT, TO3	•	G, 032	SCREW, 6-32 X .375, PPH	. 500, РРН	1 INCH LNTH	LIP	. 312, РРН	E+1	T LOCK	25HX, F/F, AL		.375, ZINC			1SI A	250,NYL			WASHED 1/4 TNT STAR	NIT. 1/4-20. HEX. CS	
CLASS CODE GROCLASS CODE:	5121024-02 MODEL: SL/SX ECO NO: N990078 DATE OF LAST ECO:	PART NUMBER	9920026-01	9121011-01	5070003-01	5970022-01	841-V62-59	845-368-DX	895-KT5-3X	110DA04-06	110DA04-08	896-TY2-3M	109-C80-91	110DA04-05	111DA04-01	1110004-01	109-844-3X	110EA04-06	111EA04-01	111EC04-01	111DE04-01	6121024-01	107-233-09	1130216-99	109-961-22		1124804-01	, , , , , , , , , , , , , , , , , , , ,

ELGAR CORPORATION 1:53 PM

3, 1999,

LI,200,2.MDATAB01 WED, NOV 3, 1999,

66/66/66 OBSOLETE 66/66/66 66/66/66 66/66/66 66/66/66 66/66/66 PRINTS ON SALES ORDER W/O PRICE PRINTS ON SALES ORDER WITH PRICE DOES NOT PRINT ON SALES ORDER 00/00/00 05/27/97 07/01/97 07/01/97 00/00/00 00/00/00 00/00/00 EFFECTIV 00/00/00 05/27/97 05/27/97 DATE 9 £ J REFERENCE DESIGNATOR R TO 10 10 MBJ2 мвлз MBJ1 , DS1 (SI) REF REQ: N=PART OPTIONAL REQUIRED ORDER POLICY 0 0 SEO 0 00000 0 0 0000000 DAYS P=PART OFF 00000000000 0000000 0 0000 Y = PART Y = PART N=PART 1.000 1.000 1.000 1.000 1.000 1.000 1.000 000. 000. 000 000. 1.000 1.000 1.000 2.000 10.000 12.000 12.000 16.000 6.000 1.000 12.000 000. 000. 000. 1.000 1.000 1.000 1.000 1.000 PREP PF: R RP QF **MX4X** Σ Σ **UXXXXEZZZXUFFFFFFFFUXXUU**U Q, д а ΕA ΕA EA ΕA ΕŅ 000. 000 000 000 0000 1.000 1.000 000. 1.000 000. 000. 000. 000. 000. 000. 000 000 000. 000. FACTR 000. 000. QTY PER ASSEMBLY 000 1.000 12.000 1.000 1.000 000. 000. 000 000 1.000 0000 000. 000. 000. 12.000 000. .000 000. 000. 000. 000 1.000 1.000 10.000 16.000 16.000 1.000 1.000 000 .000 .000 - 1751SLE 21 NO. 51 53 A A O A A B A A A A RV ď B 4 8 4 m m PANEL ASSY, FRONT - 1751SLE/SXE FINAL ASSY WIRELIST, CHAS ASSY - 1751SLE PANEL ASSY, REAR-1751SLE/SXE PANEL ASSY, RIGHT-1751SLE/SXE SCREW, 8-32 X .250, PFH, 82D SCREW, 6-32 X .375, PFH, 82D SCREW, 6-32 X .375, PPH SCREW, 8-32 X .250, PPH SCREW, 8-32 X .375, PPH SCREW, 8-32 X .375, PFH, 82D SCREW, 4-40 X .312, PPH WASHER, 8, SPLIT LOCK CABLE ASSY, REAR PANEL-SL/SX - FGI - 1001SLE - 1001SLE MANUAL, SERVICE - 1001SLE LABEL, SERIAL TAG, THERMAL ď LEFT SIDE PNL 1751SL A OSC TRAY ASSY SLSERIESA AAA DIVIDER ASSY - 1751SLE INTCONN DIAG - 1751SLE ASSEMBLY, ELGAR KIT, HARNESS - 1751SLE COMMODITY CLASS SCHEM HS ASSY 1751SL H/S ASY W0/TK 1751SL FINAL ASSY - 1751SLE SHIELD HS SL/SX NMX HS ASSY W/TK 1751SL SCHM, PREAMP BD SL PREAMP BD ASSY, SL PWA, MOTHER-SLE SHIP KIT - 1751SLE WASHER, 6, INT LOCK BRACE PLATE ASSY BRACE PLATE ATP, FINAL ASSY MANUAL, OPERATOR Ų CAPACITOR ASSY OPCODE: 3 REV: DESCRIPTION CABLE ASSY CABLE ASSY MODEL: SL/SX ECO NO: N970676 DATE OF LAST ECO: 07/01/97 CLASS CODE GROUP: 1 CLASS CODE: 140 PART NUMBER MO71076-02 9961200-01 9161295-01 5121049-02 5121024-01 5121024-02 5121048-01 9121008-01 5121047-02 5121010-03 5071033-01 5071014-01 5071075-03 5071009-01 110EF04-04 110DF04-06 110DA04-06 110EA04-04 110EA04-06 110EF04-06 110CA04-05 111EC04-01 111DE04-01 9071050-01 A121045-01 H121045-01 6121024-01 6070004-01 T071076-01 5121051-01 5070004-01 W121045-01M071076-01 5970009-01 9071009-0 5970008-0 5121045-01 6121045

1.000

1.000

LABEL, CE CERTIFICATION

66/66/66 66/66/66 66/66/66 66/66/66 66/66/66 66/66/66 66/66/66 66/66/66 66/66/66 66/66/66 66/66/66 66/66/66 66/66/66 66/66/66 OBSOLETE 66/66/66 66/66/66 66/66/66 66/66/66 66/66/66 66/66/66 66/66/66 66/66/66 66/66/66 66/66/66 66/66/66 66/66/66 DOES NOT PRINT ON SALES ORDER PRINTS ON SALES ORDER W/O PRICE PRINTS ON SALES ORDER WITH PRICE EFFECTIV 00/00/00 DATE DESIGNATOR REFERENCE TS1,2 R9-15 OP: ORDER POLICY CODE REQ: N=PART OPTIONAL UA2 REQUIRED T2 T3 SEQ 0 0 0 0000 DAYS P=PART OFF SET Y=PART N=PART Y=PART 0 0 00000 4.000 000. 000. 000. 000. 1.000 000. 000. 000. 000. 000. 000. 2.000 7.000 .000 .000 .000 .000 .000 .000 .000 000. 000. 000. PREP CODE PF: R R P пыныныхаанынын œ 5! 1.000 000.1 000.1 000.1 000.1 000. 000 000. 000.1 000.1 000.1 .000 FACTR 000. 000. 000 000.1 000.1 .000 1.000 000. 000. 1.000 QTY PER ASSEMBLY 000. 4.000 000. 00001 .000 000. 4.000 4.000 .000 4.000 2.000 .000 .000 .000 .000 PANEL ASSY, RIGHT-1751SLE/SXE NO. ITEM 18 20 RΛ LAA Ø, 口田田 OAD NUT, 6-32, HEX, CS NUT, 8-32, HEX, SMALL, CS WASHER, 8, FLAT, SML OD-.375, ZINC WASHER, 8, SPLIT LOCK TERM STRIP, 6P, . 375IN, LUG TYPE PANEL ASSY, RIGHT-1751SLE/SXE XFMR, PWR, 115/230V, 25VA, VDE XFMR ASSY, OUTPUT-1751SL/SX SCREW,6-32 X .312,PFH,82D SCREW,6-32 X .312,PPH SCREW,1/4-20 X .625 PPH WASHER,6,INT LOCK RECT, BRDG, 1PH, 200V, 30A SCREW, 6-32 X .375, PFH, 82D ⋖ CURRENT XFMR U.L.MAT A WASHER, 1/4, FLAT WASHER, 1/4, SPLIT LOCK NUT, 1/4-20, HEX, CS PCB ASSY HI CURRENT SCREW, 8-32 X .875, PPH SCREW, 4-40 X .375, PPH COMMODITY CLASS RES, 300, 5W, 58, WW, AXL WASHER, 4, SPLIT LOCK NUT, 4-40, HEX, STD, CS RT SIDE PNL 1751SL THERMAL COMPOUND ď, WASHER, 6, FLAT WASHER, 4, FLAT OPCODE: 3 REV: PHANTOM DESCRIPTION DATE OF LAST ECO: 03/10/97 550 CLASS CODE GROUP: 1 CLASS CODE: 550 ECO NO: R1219 PART NUMBER 893-56X-XX 807-301-05 5121043-01 991-260-90 110HA04-10 9121009-01 110DF04-05 110DA04-05 111HA04-01 112HB04-01 850-412-25 847-990-3X 110DF04-06 110EA04-14 109-961-22 110CA04-06 111CA04-01 111CC04-01 112CB04-01 111HC04-01 5070009-01 111DA04-01 112DB04-01 112EA04-01 111EA04-01 111EC04-01 111DE04-0 5121047-02 5121047 MODEL:

AS OF 11/03/99

CLASS CODE GROUP: 1 COMMODITY CLASS

CLASS CODE: GROUP: 1 CLASS CODE: 550	OF: I COMMODIII CLASS 550 PHANTOM				ORD	R POL	ICY CODE			
	RE VSSA TENAR DAMPI ASSV BR	AP-1751ST	ス.T. 2. X X X X X X X X X X X X X X X X X X			ART RE	OUIRED			
ì			1		<u> </u>	RT DO	S NOT PRINT	ON SALES O	M	
ECO NO: N970473					$\mathbf{V} = \mathbf{P}$	RT PR	NO	\	PRICE	
	05/27/97				4	RT PR	NTS ON SALE	R D E	R H	
				œ		K				
6 6 6 6 7		ITEM PV NO	OTY PER YIELD	5 P	PREP		REFERENCE EO DESIGNATOR	EFFECTIV DATE	OBSOLETE DATE	
AMUND IN		· !				1 1		1 1	1 1 1 1	
7.12.10.4.8	-1751SLE/SXE		.000 1.000 EA	ΧN	000.	0	0	0./8		
5121041=01	ASSY. INPUT PWR-1751SL/SX		.000 1.000 EA	ΥN	0.0	0	0	0/00/0	6/66/6	
10441041 10414041	: д.	· m	0 1.00	ΥN	00	0	0	00/00/00	6/66/6	
9211630-01	0		.000 1.000 EA	ΛΛ	00.	0	0	0/00/0	6/66/6	
1100804-05	PH, CS		.000 1.000 EA	ΝĀ	00.	0	0	0/00/0	6/66/6	
9161175-05			.000 1.000 EA	ΥN	00.	0	0	0/00/0	6/66/6	
9121048-01	PANEL, REAR - 1751 SLE/SXE 3		.000 1.000 EA	ΧN	00.	0	0	4/10/9	6/66/6	
9960019-01		-	.000 1.000 EA	ΥN	00.	0	0	0/00/0	6/66/6	
9961198-01			.000 1.000 EA	ΥN	00.	0	0	0/00/0	6/66/6	
853155016X	بغز	_	.000 1.000 EA	ΧN	00.	0	0	0/00/0	6/66/6	
853-230-01	FAN, 220-230VAC, 200-235CFM, VDE 3	1	.000 1.000 EA	ΝX	00.	0	0 B1	0/00/0	6/66/6	
863-505-25	HANDLE, 4.87L, 1.06H, ALUM, CLR 3	-	.000 1.000 EA	ΛN	00.	0		0/00/0	6/66/6	
893-141-08	TERM BLK, 8P, 20A, 14AWG, 1100RMS 3		000 1.000 EA	ΧN	00	0	REF TB	0/00/0	6/66/6	
893-601-XX	JUMPER, TERM BLOCK, . 438 SPACING 0		.000 1.000 EA	ΧN	00.	0	FOR TB3	0/00/0	6/66/6	
3 0 A	TERM BLK, 5P, 30A, 600V, FEED-THRU 3	7	000 1.000 EA	ΥN	00	0	TB1 &	0/00/0	6/66/6	
93-142-	TERM BLK, JUMPER, . 56 CNTR 3	7	.000 1.000 EA	ΥN	00.	0	FOR TB1	0/00/0	6/66/6	
							TB2			
2-224-0	CAP, . 22UF, 600V, 10%, FILM 3	2 2 3	000 1.000 E	ΝX	4.000	0	3-C6	00/00/00	66/66/66	
109-839-75	STDF,6-32 X .750L,.31HX,F/F,SS 3		.000 1.000 EA	Ϋ́Ν	00.	0	FOR TB2	0/00/0	6/66/6	
	Had soy & ce - y madoo	^	.000 1.000 EA	N	00.	0	l I	0/00/0	6/66/6	
10104041	01 txt axc 10x y# 01		.000 1.000 EA	Ν	.00	0	0	0/00/0	6/66/6	
		1 73	.000 1.000 EA	ΝX	.00	0	0	0/00/0	6/66/6	
807-586-05	RES, 5, 6, 5W, 58, WW, AXL		.000 1.000 EA	ΧN	00.	0	0 R3,4,5,6	0/00/0	6/66/6	
12DB04-0	NUT, 6-32, HEX, CS		.000 1.000 EA	ΧN	00.	0	0	0/00/0	6/66/6	
111DE04-01	WASHER, 6, INT LOCK		.000 1.000 EA	ΧN	.00	0	0	0/00/0	6/66/6	
111DA04-01	WASHER, 6, FLAT		.000 1.000 EA	ΧN	00.	0	. 0	0/00/0	6/66/6	
111FC04-01	WASHER, 10, SPLIT LOCK 3		.000 1.000 EA	ΧN	00.	0	0	0/00/0	6/66/6	
109-309-2X	PLUG, HOLE, . 500, NYLON, BLK 3		.000 1.000 EA	ΥN	.00	0	0	0/00/0	6/66/6	
995-SLV-10	SLEEVING, #22, CLR VINYL 3		.500 1.000 EA	ΧN	. 50	0	0	0/00/0	6/66/6	
111DC04-01			.000 1.000 EA	N	00	0	0	5/21/9	6/66/6	
109-093-00	GROMMET, FLEX STRIP, . 093 NYLON 0		.000 1.000 FT	ΚN	00.	0	0 '	5/21/9	6/66/6	
110EA04-10		4 6	4.000 1.000 EA F		4.000	0 (	0 '	27	66/66/66	
111EC04-01	WASHER, 8, SPLIT LOCK		.000 1.000 EA	N N	00.	Э (	0 (	5/7/5	6/66/6	
12E	NUT, 8-32, HEX, STD, CS 3		.000 1.000 EA	ΚN	00.	0	0	5/27/9	6/66/6	

COMMODITY CLASS CLASS CODE GROUP: 1

512 MODI ECO DATI

CLASS CODE GROUP: 1 CLASS CODE: 550	UP: 1 COMMODITY CLASS 550 PHANTOM	·						P: OR		POLICY CODE		
121049-02 DDEL: AC SL/SX CO NO: N980937 ATE OF LAST ECO:	OPCODE: 3 REV: C 09/02/98	PANEL ASSY,F	FRONT	1	1751SLE/SXE			KEQ: X KE	ART ART ART	OPTIONAL REGUINED DOES NOT PRINT O PRINTS ON SALES	N SALES ORDER W/ ORDER WI	ORDER O PRICE TH PRICE
PART NUMBER	DESCRIPTION		0 P R1	ITEM V NO.	QTY PER YI ASSEMBLY FA	ELD CTR UM S	CER	PREPCODE	DAYS OFF SET	REFERENCE SEQ DESIGNATOR	EFFECTIV DATE	OBSOLETE DATE
5121049	PANET ASSY. FRONT - 1751SLE/SX	751SLE/SXE	. 4 . ∞	 ! ! ! ! !	00 1.	00 EA	ΛΛ	0.			00/00/00	66/66/66
9121049-01	PANET, FRONT - 1751SLE/SXE	E/SXE	3	6	1.000 1.0	0 0 E	ΛX	1.000	0	0	00/00/00	66/66/66
9.26.10.15.10.1	BRACKET COVER SUPPORT C	D.	3 A	10	2.000 1.0	000 EA B	ΛX	2.000	0	0	00/00/00	/66/
852-303-46	CBR, 30A, 2P, 50/60HZ, VDE	- H	3 A	11	1.000 1.0	0 0 E	λN	1.000	0	0 CB1	2/21/	6/66/6
354-219-12	LAMP, 12V, SOLID-SATE, VERT	VERT, GRN	0 A	12	1.000 1.0	000 EA B	ΥN	1.000	0	0 DS1	/00/0	/66/6
857-300-82	METER, 0-300VAC, RECTIFIED	GEIRD	3. A	13	1.000 1.0	0 0 E	ΥN	1.000	0	0 M1	0/00/	/66/6
819-103-53	POT, 10K, 2W, 10T, PNL		3 B	14	1.000 1.0	00 EA		1.000	0	0 R1	0/00/0	6/66/6
891-030-00	BINDING POST, 30A, PNL MNT, BLK	MNT, BLK	3	15	1.000 1.0	100 EA B		1.000	0	0 E3	0/00/0	6/66/6
891-030-02	BINDING POST, 30A, PNL	MNT, RED	3 D	16	1.000 1.0	3 OO	ΧN	1.000	0	0 E1	0/00/0	6/66/6
891-030-09	BINDING POST, 30A, 1KV, WHT	WHT	3 B	17	1.000 1.0	000 EA B	N X	1.000	0	0 E2	0/00/0	6/66/6
863-525-25	HANDLE, 7, 62L, 10-32, CHROME	HROME	3	18	2.000 1.	000 EA B	YN	2.000	0	0	0/00/0	6/66/6
914-239-20	METER MOUNT MODEL 82T	E	3 B	19	2.000 1.0	000 EA B	ΧN	2.000	0	0	0/00/	6/66/6
1100404-06	SCREW, 6-32 X .375, PPH		٣	2.1		000 EA F	ΧN	2.000	0	0	0/00/	6/66/6
1110804-01	WASHER, 6. INT LOCK		٣	22	6.000 1.	000 EA F	ΝX	000.9	0	0	0/00/	6/66/6
1120804-01	NUT. 6-32, HEX, CS		m	23	6.000 1.	000 EA F	ΝĀ	6.000	0	0	0/00/	6/66/6
1106704-08	SCREW 10-32 X . 500 PF	FH,82D,CS	m	24	4.000 1.	000 EA F	N A	4.000	0	0	0/00/	6/66/
XX-181-601	NUT. LOCK, POT., 25 SHAF	T. L.	3		1.000 1.	000 EA B	ΛĀ	1.000	0	0	0/00/	6/66/6
9121050-02	LABEL, NAME PLATE - SL	LE/SXE	3 A	26	1.000 1.	000 EA B	ΛX	1.000	0	0	/05/9	6/66/6
111ME04-01	WASHER, 7/16, INT TOOTH LOCK	H LOCK	3 A	2.7	1.000 1.0	000 EA F	ΝĀ	1.000	0	0	00/00/00	66/66/66

66/66/66 66/66/66 66/66/66 66/66/66 66/66/66 66/66/66 66/66/66 EFFECTIV OBSOLETE 66/66/66 66/66/66 66/66/66 66/66/66 66/66/66 66/66/66 66/66/66 66/66/66 66/66/66 66/66/66 66/66/66 66/66/66 66/66/66 66/66/66 66/66/66 66/66/66 66/66/66 66/66/66 66/66/66 PRINTS ON SALES ORDER W/O PRICE PRINTS ON SALES ORDER WITH PRICE DATE DOES NOT PRINT ON SALES ORDER 00/00/00 11/25/98 00/00/00 04/30/99 04/30/99 96/90/60 00/00/00 00/00/00 00/00/00 00/00/00 00/00/00 DATE REFERENCE DESIGNATOR Q1-16 CR1,2 TK1 OP: ORDER POLICY CODE RB1,2 REQ:N=PART OPTIONAL Y=PART REQUIRED SEQ 00 00000000000000000 P=PART OFF 0000000000000000000000 N=PART Y-PART 2.000 2.000 000. .500 2.000 1.000 2.000 1.000 16.000 2.000 1.000 4.000 10.000 8.000 2.000 2.000 1.000 16.000 CODE PREP A E E **UUZZUUUUFFFFFFFFFFF** ΕA ΕĄ EA ΕA ΕÀ ΕA ΕA ΕA ΕA ΕÞ ΕÀ ΞA EA EA ΕÀ ΕA ΕA ΕA EΑ ΕA ΕA 000. 000. 000. 000. 000. 1.000 1.000 1.000 1.000 1.000 1.000 1.000 .000 000 000 000 000. 000.1 1.000 1.000 1.000 1.000 .000 000. .000 .000 .000 .000 000. 000. 1.000 4.000 4.000 4.000 4.000 000. 1.000 2.000 2.000 2.000 ASSEMBLY 8.000 42.000 2.000 16.000 2.000 2.000 2.000 1.000 16.000 2.000 1.000 4.000 10.000 4.000 8.000 32.000 8.000 8.000 Æ NO. 111 112 113 114 116 117 118 222 222 222 225 225 27 28 29 H-SINK W/TK 1001SL 1004420020 ď Δ m В ф K B - HEATSINK STDF, 8-32 X .500L, .25HX, F/F, AL SCREW, 8-32 X .375, PPH WASHER, 8, FLAT, SML OD-.375, ZINC WASHER, 8, SPLIT LOCK XSTX,NPN,16A,170V,SELECT,TO3
RECT,PWR,200V,20A
THERMOSTAT,SW,NO,CLS,200F
TERM TAB,1/4,45DEG,.032
SCREW,6-32 X .375,PPH
TIE WRAP,4.51 INCH LNTH
NUT,6-32,MTG CLIP
SCREW,6-32 X .312,PPH LUG, QDC, 16-14AWG, FEM, . 250, NYL WIRE, 16AWG, 300V, WHT, UL, 80C WIRE, 22AWG, 300V, WHT, UL, 105C NUT, 10-32, HEX, STD, CS HTSK, ALUM, SUBSTRAT, D04 HTSK, ALUM, SUBSTRAT, T03 HTSK ASSY, W/TK-1001SL COMMODITY CLASS ASSEMBLY, ELGAR SCREW, 4-40 X .250, PPH SCHM HEATSINK 1001SL HEATSINK RES BD ASSY WASHER, 6, SPLIT LOCK HEATSINK-8 TO3, 14" MTG PLATE HEATSINK WASHER, 10, INT LOCK WASHER, 4, INT LOCK WASHER, 6, INT LOCK CBL-H/S SL SERIES Ē WASHER, 6, FLAT OPCODE: 3 REV: DESCRIPTION DATE OF LAST ECO: 04/30/99 CLASS CODE GROUP: 1 CLASS CODE: 150 ECO NO: N990471 MODEL: SL/SX PART NUMBER 110DA04-05 9920026-01 9071010-01 5070003-01 5970022-01 841-V62-59 845-368-DX 861-340-0X 895-KT5-3X 110DA04-06 110DA04-08 896-TY2-3M 109-C80-91 111DA04-01 111DC04-01 109-844-3X 110EA04-06 111EA04-01 111EC04-01 111DE04-01 6920026-01 110CA04-04 111CE04-01 107-233-09 1130216-99 1130222-99 894-T03-TP 111FE04-01 894-D04-TE 112GB04-0] 5920026-01 5920026

PART NUMBER  PART	- HEATSINK		OP: ORDER	POL		
PECO: 04/30/99  ECO: 04/30/99  DESCRIPTION  DESCRIPTION  DESCRIPTION  THEN ASSY A  HTSK ASSY A  HTSK ASSY A  HTSK ASSY A  HTSK NOW TK-1001SL  DESCRIPTION  THEN CREED ASSY A  HTSK ALMAN TK-1001SL  TERM TAB, 1/4 * A	1001SL		. Y = Y	REQUIRED	9490	
DESCRIPTION  HTSK ASSY, W/TK-1001SL  HTSK ALDM, SUBSTRAT, TO3  HTSK ALDM, SUBSTRAT, TO			= F.A = P.A	DOES NOT PRINT PRINTS ON SALES	RIES ORD ER W/O P	
RECRIPTION  HTSK ASSY, WITK-1001SL  HTSK ALW, BEND ASSY A 4 A 11 2 0000 1.000 EA B YN KETT PWR, 200V, 20A  SCREW, 6-32 X 375, PPH SCREW,			≖ P A	PRINTS ON S	RDER WITH PRI	
DESCRIPTION		æ	DA	10		
PRO NO. ASSEMBLY FACTR UM SC OF  HTTSK ASSY, W/TK-1001SL  HEATSINK-8 TO3, 14" A 3 C 10 1.000 1.000 EA B YN  HEATSINK-8 TO3, 14" A 3 C 10 1.000 1.000 EA B YN  HEATSINK RES BD ASSY A 4 A 11 2.000 1.000 EA B YN  CBL-H/S SL SERIES  XSTR,NPN,16A,170V SELECT,TO3 3 G 13 16.000 1.000 EA B YN  RECT,PWRA, 200, 20A 3 B 14 2.000 1.000 EA B YN  TERM TAB,1/4,45DEG,.032 3 D 16 4.000 1.000 EA B YN  TERM TAB,1/4,45DEG,.032 3 D 16 4.000 1.000 EA B YN  TERM TAB,1/4,45DEG,.032 3 D 16 4.000 1.000 EA B YN  TERM TAB,1/4,5DEG,.032 3 D 16 4.000 1.000 EA B YN  NUT,6-32 X 150,PPH 3 B 19 4.000 1.000 EA F YN  NUT,6-32 MTG CLIP 3 B 19 4.000 1.000 EA F YN  WASHER,6 FLAT LOCK  WASHER,6 FLAT LOCK  WASHER,6 SPLIT LOCK  WASHER,7 SPLIT LOCK  WASHER,7 SPLIT LOCK  WASHER,8 FLAT,SML OD-375,TINC 3 2 6 4.000 1.000 EA F YN  WASHER,9 FLAT,SML OD-375,TINC 3 2 6.000 1.000 EA F YN  WASHER,6,INT LOCK  WASHER,6,INT LOCK  WASHER,7 SPLIT LOCK  WASHER,6,INT LOCK  WASHER,6,INT LOCK  WASHER,7 SPLIT LOCK  WASHER,6,INT LOCK  WASHER,7 SPLIT LOCK  WASHER,6,INT LOCK  WASHER,7 SPLIT LOCK  WASHER,7 SPLIT LOCK  WASHER,7 SPLIT LOCK  WASHER,9 FLAT,SML OD-375,TINC 3 26 4.000 1.000 EA F YN  WASHER,6,INT LOCK  WASHER,7 SPLIT LOCK  WASHER,9 FLAT,SML OD-375,TINC 3 2.000 1.000 EA F YN  WASHER,1 SPLIT LOCK  WASHER,1 S	TEM QTY PER YIEL	EP	RE	REFERENCE	ECTIV OBSO	
HTSK ASSY, W/TK-1001SL HTSK ASSY, W/TK-1001SL HTSK ASSY, W/TK-1001SL HTST PLATE HEAFTSINK HEATSINK-8 TO3, 14" HEATSINK-8 TO3, 14" HEATSINK HES BD ASSY A HEATSINK HEATSINK HOULS BC HEATSINK HEATSINK HOULS BC HEATSINK HEATSINK HEATSINK HOULS BC HEATSINK HEATSINK HOULS BC HEATSINK HEATSINK HOULS BC HEATSINK HEATSINK HEATSINK HOULS BC HEATSINK HOULK BC HE	V NO. ASSEMBLY FACT	M SC QF	   	T SEQ DESIGNATOR	DAT	
HEATSINK-8 TO3, 14" A 3 C 9 2.000 1.000 EA B HEATSINK	1 .000 1.000	A P YN	000.	0	6/66/66 96/90/6	
HEATSINK RES BD ASSY A 4 M 11 2.000 1.000 EA B EATSINK RES BD ASSY A 4 M 11 2.000 1.000 EA M CBL-TG SI ERRIER 3 E 12 1.000 1.000 EA M XSTR,NPN,16A,170V,SELECT,TO3 3 E 12 1.000 1.000 EA M XSTR,NPN,16A,170V,SELECT,TO3 3 E 12 16.000 1.000 EA B RECT,PWR,200V,20A 3 D 14 2.000 1.000 EA B SCREW,6-32 X .375,PPH 3 18 8.000 1.000 EA F TIE WRAP,4.51 INCH LNTH 3 B 19 4.000 1.000 EA F SCREW,6-32,MTG CLIP 3 18 19 4.000 1.000 EA F SCREW,6-32,MTG CLIP 3 20 8.000 1.000 EA F SCREW,6-32,MTG CLIP 3 20 8.000 1.000 EA F SCREW,6-32,MTG CLIP 3 2 20 8.000 1.000 EA F SCREW,6-32,MTG CLIP 3 2 20 8.000 1.000 EA F SCREW,6-32,MTG CLIP 3 2 20 8.000 1.000 EA F WASHER,6,FLAT,SML OD375,ZINC 3 25 4.000 1.000 EA F SCREW,8-32 X .375,PPH 3 2 24 4.000 1.000 EA F SCREW,8-32 X .375,PPH 3 2 25 4.000 1.000 EA F SCREW,8-32 X .375,PPH 3 2 25 4.000 1.000 EA F SCREW,8-32 X .375,PPH 3 2 25 4.000 1.000 EA F SCREW,8-32 X .375,PPH 3 2 25 4.000 1.000 EA F WASHER,6,INT LOCK 3 25 4.000 1.000 EA F WASHER,6,INT LOCK 3 3 25 4.000 1.000 EA F HTSK,ALUM,SUBSTRAT,TO3 3 B 37 16.000 1.000 EA F HTSK,ALUM,SUBSTRAT,TO3 3 B 37 16.000 1.000 EA F HTSK,ALUM,SUBSTRAT,TO3 3 B 37 16.000 1.000 EA F HTSK,ALUM,SUBSTRAT,TO4 3 B 40 2.000 1.000 EA F HTSK,ALUM,SUBSTRAT,TO4 2 EA F HTSK,ALUM,SUBSTRAT,TO4 2	3 C 9 2.000 1.000	A B Y	000.		6/66/66 00/00/0	
HEATSINK RES BD ASSY A  CBL-H/S SL SERIES  SCREW, F-32 X .375, PPH  SCREW, 6-32 X .375, PPH  TERM TAB, 1/4, 45 DEG, .032  SCREW, 6-32 X .375, PPH  SCREW, 6-32 X .312, PPH  NUT, 6-32, MTG CLIP  SCREW, 6-32 X .312, PPH  NASHER, 6, FLAT  SCREW, 8-32 X .312, PPH  MASHER, 6, FLAT  SCREW, 8-32 X .312, PPH  MASHER, 6, FLAT  SCREW, 8-32 X .375, PPH  SCREW, 8-32 X .375, PPH  MASHER, 6, FLAT  SCREW, 8-32 X .375, PPH  SCREW, 8-32 X .375, PPH  MASHER, 8, FLAT, SML OD375, ZINC 3 2 6 4.000 1.000 EA F  WASHER, 8, FLAT, SML OD375, ZINC 3 2 6 4.000 1.000 EA F  WASHER, 6, INT LOCK  MASHER, 10, INT LOCK  HTSK, ALUM, SUBSTRAT, TO 3 3 2 2 000 1.000 EA F  HTSK, ALUM, SUBSTRAT, DO4 3 B 2.000 1.000 EA F  HTSK, ALUM, SUBSTRAT, DO4 3 B 40 2.000 1.000 EA F  HTSK, ALUM, SUBSTRAT, DO4 3 B 40 2.000 1.000 EA F  HTSK, ALUM, SUBSTRAT, DO4 3 B 40 2.000 1.000 EA F  HTSK, ALUM, SUBSTRAT, DO4 3 B 40 2.000 1.000 EA F  HTSK, ALUM, SUBSTRAT, DO4 3 B 40 2.000 1.000 EA F  HTSK, ALUM, SUBSTRAT, DO4 3 B 40 2.000 1.000 EA F	3 A 10 1.000 1.000	A B Y	000.	0	6/66/66 00/00/	
CBL-H/S SL SERIES  XSTR,NPN,16A,170V,SELECT,TO3 3 G 13 16.000 1.000 EA B RECT.PWR,200V,20A  RECT.PWR,200V,20A  3 D 14 2.000 1.000 EA B SCREW,6-32 X .375,PPH  SCREW,6-32 X .375,PPH  3 D 16 4.000 1.000 EA F SCREW,6-32 X .500,PPH  TIE WRAP,4.51 INCH LNTH  3 D 18 0.00 1.000 EA F WASHER,6,FLAT  NUT,6-32,MTG CLIP  SCREW,6-32 X .312,PPH  3 D 18 0.00 1.000 EA F WASHER,6,FLAT  WASHER,6,FLAT  WASHER,6,FLAT,SML OD375,ZINC 3 22 8.000 1.000 EA F SCREW,8-32 X .375,PPH  WASHER,8,FLAT,SML OD375,ZINC 3 26 4.000 1.000 EA F SCREW,8-32 X .375,PPH  WASHER,8,FLAT,SML OD375,ZINC 3 26 4.000 1.000 EA F SCREW,FC,IG-14AWG,FEM,.250,NYL 3 D 34 2.000 1.000 EA F WIRE,16AWG,SOV,WHT,UL,80C 3 3 2.000 1.000 EA F WASHER,10,INT LOCK  WASHER,10,INT LOCK 3 2000 0.000 EA F WIRE,10AWG,FEM,.250,NYL 3 D 34 2.000 1.000 EA F WIRE,10AWG,FEM,.200,NYL 3 D 34 2.000 1.000 EA F	4 A 11 2.000 1.000	A M Y	000.	0 RB1,2	6/66/66 00/00/0	
XSTR,NPN,16A,170V,SELECT,TO3 3 G 13 16.000 1.000 EA B RECT,PWR,200V,20A 3 D 14 2.000 1.000 EA B TERM TAB,1/4,45DEG,.032 3 D 16 4.000 1.000 EA B SCREW,6-32 x .375,PPH 3 18 8.000 1.000 EA F SCREW,6-32 x .500,PPH 3 18 8.000 1.000 EA F NUT,6-32,MTG CLIP 3 D 19 4.000 1.000 EA F SCREW,6-32 x .312,PPH 3 D 19 8.000 1.000 EA F NUT,6-32,MTG CLIP 3 D 20 8.000 1.000 EA F SCREW,6-32 x .312,PPH 3 D 20 8.000 1.000 EA F NASHER,6,FLAT LOCK 3 D 20 8.000 1.000 EA F SCREW,8-32 x .500L,.25Hx,F/F,AL 3 B 24 4.000 1.000 EA F SCREW,8-32 x .375,PPH 3 D 24 4.000 1.000 EA F SCREW,8-32 x .375,PPH 3 D 24 4.000 1.000 EA F NASHER,8,FLAT,SML OD375,ZINC 3 D 25 4.000 1.000 EA F SCREW,8-32 x .375,PPH 3 D 24 0.000 1.000 EA F NASHER,6,INT LOCK 3 D 25 0.000 1.000 EA F SCREW,B-12-14AMG,FEM,.250,NYL 3 D 34 2.000 1.000 EA F NIEK,16AMG,300V,WHT,UL,80C 3 D 20 0.000 1.000 EA F NIEK,16AMG,300V,WHT,UL,80C 3 D 20 0.000 1.000 EA F NIEK,16AMG,300V,WHT,UL,80C 3 D 2.000 1.000 EA F NICK,10ALW,SUBSTRAT,TO3 B 20 0.000 1.000 EA F NICK,10ALW,SUBSTRAT,DO4 B 2.000 1.000 EA F NICK,10ALW,SUBSTRAT,DO4 B B D 2.000 1.000 EA F NICK,10ALW,SUBSTRAT,DO4 B D 2.000 1.000 EA F NICK,10ALW,SUBSTRAT,DO4 B D 2.000 1.000 EA F NICK,10ALW,SUBSTRAT,DO4 B D 2.000 1.000 EA F NICK,10ALW,20BSTRAT,DO4 B D 2.000 1.000 EA F NICK,	12 1.000 1.000	A M	000.	0	6/66/66 00/00/0	
TERM TAB, 1/4, 45DEG, 032  TERM TAB, 1/4, 45DEG, 032  SCREW, 6-32 X .375, PPH  SCREW, 6-32 X .500, PPH  TIE WRAP, 4.51 INCH LNTH  NUT, 6-32, MTG CLIP  SCREW, 6-32 X .312, PPH  SCREW, 6-32 MTG CLIP  NUT, 6-32, MTG CLIP  SCREW, 6-32 MTG CLIP  SCREW, 6-32 MTG CLIP  NUT, 6-32, MTG CLIP  SCREW, 6-32, MTG CLIP  SCREW, 6-32, MTG CLIP  WASHER, 6, FLAT  SCREW, 6-32, MTG CLIP  WASHER, 6, FLAT  SCREW, 8-32 X .375, PPH  WASHER, 8, FLAT, SML OD375, ZINC 3 26 4.000 1.000 EA F  WASHER, 8, FLAT, SML OD375, ZINC 3 26 4.000 1.000 EA F  WASHER, 8, SPLIT LOCK  WASHER, 8, FLAT, SML OD375, ZINC 3 26 4.000 1.000 EA F  WASHER, 8, SPLIT LOCK  WASHER, 8, SPLIT LOCK  WASHER, 8, SPLIT LOCK  WASHER, 8, SPLIT LOCK  WASHER, 9, TLAT, SML OD375, ZINC 3 26 4.000 1.000 EA F  WASHER, 10, INT LOCK  STORM HEATSINK 1001SL A 34 2.000 1.000 EA F  WIRE, 16AWG, 300V, WHT, UL, 80C 3 34 2.000 1.000 EA F  WIRE, 16AWG, 300V, WHT, UL, 80C 3 3 32 2.000 1.000 EA F  HTSK, ALUM, SUBSTRAT, TO 3 3 39 2.000 1.000 EA F  HTSK, ALUM, SUBSTRAT, DO4 3 B 40 2.000 1.000 EA F  HTSK, ALUM, SUBSTRAT, DO4 3 B 40 2.000 1.000 EA F	3 G 13 16.000 1.000	A B	000.	0 01	6/66/66 00/00/0	
SCREW, 6-32 X .375, PPH 3 17 10.000 1.000 EA B SCREW, 6-32 X .375, PPH 3 17 10.000 1.000 EA F SCREW, 6-32 X .375, PPH 3 18 8.000 1.000 EA F TET WAAP, 4.51 INCH LNTH 3 B 19 4.000 1.000 EA F SCREW, 6-32 X .312, PPH 3 20 8.000 1.000 EA F SCREW, 6-32 X .312, PPH 3 20 8.000 1.000 EA F SCREW, 6-32 X .312, PPH 3 22 8.000 1.000 EA F SCREW, 8-32 X .500L, 25HX, F/F, AL 3 B 24 4.000 1.000 EA F SCREW, 8-32 X .500L, 25HX, F/F, AL 3 B 24 4.000 1.000 EA F SCREW, 8-32 X .500L, 25HX, F/F, AL 3 B 25 4.000 1.000 EA F SCREW, 8-32 X .500L, 25HX, F/F, AL 3 B 25 4.000 1.000 EA F SCREW, 8-SPLIT LOCK 3 26 4.000 1.000 EA F WASHER, 8, FPLIT LOCK 3 26 4.000 1.000 EA F SCREW HEATSINK 1001SL A 3 29 0.000 1.000 EA F SCREW HEATSINK 1001SL A 3 29 0.000 1.000 EA F SCREW HEATSINK 1001SL A 3 3 2000 1.000 EA F SCREW HEATSINK LOCK 3 3 3 3 2000 1.000 EA F SCREW HEATSINK LOCK 3 3 3 3 2.000 1.000 EA F SCREW HEATSINK LOCK 3 3 3 2.000 1.000 EA F SCREW HEATSINK LOCK 3 3 3 3 2.000 1.000 EA F SCREW HEATSINK LOCK 3 3 3 3 2.000 1.000 EA F SCREW HEATSINK LOCK 3 3 3 3 2.000 1.000 EA F SCREW HEATSINK LOCK 3 3 3 3 2.000 1.000 EA F SCREW HEATSINK LOCK 3 3 3 3 2.000 1.000 EA F SCREW HEATSINK LOCK 3 3 3 3 2.000 1.000 EA F SCREW HEATSINK LOCK 3 3 3 3 2.000 1.000 EA F SCREW HEATSINK LOCK 3 3 3 3 2.000 1.000 EA F SCREW HEATSINK LOCK 3 3 3 3 2.000 1.000 EA F SCREW HEATSINK LOCK 3 3 3 3 2.000 1.000 EA F SCREW HEATSINK LOCK 3 3 3 3 2.000 1.000 EA F SCREW HEATSINK LOCK 3 3 3 3 2.000 1.000 EA F SCREW HEATSINK LOOK 3 3 3 3 3 2.000 1.000 EA F SCREW SC	3 D 14 2.000 1.000	A B	000.	0 CR1,	6/66/66 00/00/0	
SCREW, 6-32 X .375, PPH  SCREW, 6-32 X .500, PPH  3 18 8.000 1.000 EA F  TIE WRAP, 4.51 INCH LNTH  3 20 8.000 1.000 EA F  SCREW, 6-32,MTG CLIP  WASHER, 6,FLAT  WASHER, 6,FLAT  SCREW, 8-32 X .500L, .25HX, F/F,AL 3 B 24  WASHER, 6,FLAT,SML OD375,ZINC 3 25  SCREW, 8-32 X .375,PPH  WASHER, 8,FLAT,SML OD375,ZINC 3 26  WASHER, 6,INT LOCK 3 26  WASHER, 10,1NT LOCK 3 3 36  WASHER, 10,1NT LOCK 3 36  WASHER, 10,1NT	3 D 16 4.000 1.000	A B	0		6/66/66 00/00/0	
SCREW, 6-32 X .500, PPH  TIE WRAP, 4.51 INCH LNTH  3 B 19 4.000 1.000 EA F  NUT, 6-32, MTG CLIF  SCREW, 6-32 X .312, PPH  3 20 8.000 1.000 EA F  WASHER, 6, FLAT  SCREW, 8-32 X .500L, .25HX, F/F, AL 3 B 24 4.000 1.000 EA F  SCREW, 8-32 X .375, PPH  WASHER, 8, FLAT, SML OD375, ZINC 3 26 4.000 1.000 EA F  WASHER, 6, INT LOCK 3 275, ZINC 3 26 4.000 1.000 EA F  WASHER, 6, INT LOCK 3 275, ZINC 3 26 4.000 1.000 EA F  WASHER, 6, INT LOCK 3 275, ZINC 3 26 4.000 1.000 EA F  WASHER, 6, INT LOCK 3 275, ZINC 3 277 4.000 1.000 EA F  SCHW HEATSINK 1001SL A 3 A 29 .000 1.000 EA F  NIRE, 16AWG, 300V, WHT, UL, 80C 3 3 35 .500 1.000 EA F  WASHER, 10, INT LOCK 3 3 3 37 16.000 1.000 EA F  NUT, 10-32, HEX, STD, CS 3 3 39 2.000 1.000 EA F  HTSK, ALUM, SUBSTRAT, DO4 3 B 40 2.000 1.000 EA F	3 17 10.000 1.000	A F	000.		6/66/66 00/00/0	
TIE WRAP,4.51 INCH LNTH  3	8.000 1.000	A F	000.		6/66/66 00/00/0	
SCREW, 6-32, MTG CLIP  SCREW, 6-32 X .312, PPH  MASHER, 6, FLAT  WASHER, 6, FLAT  STDF, 8-32 X .500L, 25HX, F/F, AL 3 B 24 4.000 1.000 EA F  STDF, 8-32 X .575, PPH  WASHER, 8, FLAT, SML OD375, ZINC 3 26 4.000 1.000 EA F  WASHER, 8, FLAT, SML OD375, ZINC 3 26 4.000 1.000 EA F  WASHER, 8, FLAT, SML OD375, ZINC 3 26 4.000 1.000 EA F  WASHER, 6, INT LOCK 3 28 42.000 1.000 EA F  SCHW HEATSINK 1001SL A 3 A 29 .000 1.000 EA F  WIRE, 16AWG, 300V, WHT, UL, 80C 3 34 2.000 1.000 EA F  WIRE, 16AWG, 300V, WHT, UL, 80C 3 35 .500 1.000 EA F  WASHER, 10, INT LOCK 3 38 37 16.000 1.000 EA F  WASHER, 10, INT LOCK 3 38 2.000 1.000 EA F  WASHER, 10, INT LOCK 3 38 2.000 1.000 EA F  WASHER, 10, INT LOCK 3 38 2.000 1.000 EA F  WASHER, 10, INT, OCK 3 38 2.000 1.000 EA F  WASHER, 10, INT, OCK 3 38 2.000 1.000 EA F  HTSK, ALUM, SUBSTRAT, DO4 3 B 40 2.000 1.000 EA F	3 B 19 4.000 1.000	A F	000.		6/66/66 00/00/0	
SCREW, 6-32 X .312, PPH  WASHER, 6, FLAT  WASHER, 6, FLAT  WASHER, 6, FLAT  WASHER, 6, SPLIT LOCK  WASHER, 8, FLAT, SML OD375, ZINC  WASHER, 8, FLAT, SML OD375, ZINC  WASHER, 8, SPLIT LOCK  WASHER, 10015L A 34 29 .000 1.000 EA F  UG, ODC, 16-14AWG, FEM, .250, NYL 3 D 34 2.000 1.000 EA F  WIRE, 16AWG, 300V, WHT, UL, 80C  HTSK, ALUM, SUBSTRAT, TO 3  WASHER, 10, INT LOCK  WASHER, 10, INT WASHER, TOOR  WASHER, 10, INT WASHER, WASHER, WASHER, TOOR  WASHER, 10, INT WASHER, WAS	3 20 8.000 1.00	A F	000.		6/66/66 00/00/0	
MASHER, 6, FLAT  WASHER, 6, SPLIT LOCK  STDF, 8-32 X .500L, 25HX, F/F, AL 3 B 24 4.000 1.000 EA F SCREW, 8-32 X .375, PPH  SCREW, 8-32 X .375, PPH  MASHER, 8, FLAT, SML OD375, ZINC 3 26 4.000 1.000 EA F WASHER, 6, INT LOCK  MASHER, 6, INT LOCK  SCHM HEATSINK 1001SL A 3 29 .000 1.000 EA F LUG, QDC, 16-14AWG, FEM, .250, NYL 3 D 34 2.000 1.000 EA F WIRE, 16AWG, 300V, WHT, UL, 80C 3 35 .500 1.000 EA F WASHER, 10, INT LOCK  NIRE, 16AWG, 201, 100 EA F WASHER, 10, INT LOCK  NUT, 10-32, HEX, STD, CS 3 3 3 2.000 1.000 EA F HTSK, ALUM, SUBSTRAT, D04 3 B 40 2.000 1.000 EA F	1 32.000 1.00	A Fi	32.000	0 0	/66/66 00/00/	
STRW, 6, SPLIT LOCK STDF, 8-32 X .500L, 25HX, F/F, AL 3 B 24 4.000 1.000 EA F SCREW, 8-32 X .375, PPH  MASHER, 8, FLAT, SML OD375, ZINC 3 25 4.000 1.000 EA F WASHER, 8, SPLIT LOCK 3 26 4.000 1.000 EA F WASHER, 6, SPLIT LOCK 3 277 4.000 1.000 EA F SCHW HEATSINK 1001SL A 3 29 .000 1.000 EA F LUG, QDC, 16-14AWG, FEM, .250, NYL 3 D 34 2.000 1.000 EA F WIRE, 16AWG, 300V, WHT, UL, 80C 3 35 .500 1.000 EA F HTSK, ALUM, SUBSTRAT, TO3 3 3 39 2.000 1.000 EA F HTSK, ALUM, SUBSTRAT, DO4 3 B 40 2.000 1.000 EA F HTSK, ALUM, SUBSTRAT, DO4 3 B 40 2.000 1.000 EA F	2 8.000 1.00	A Fi	000.		6/66/66 00/00/0	
STDF,8-32 X .500L,.25HX,F/F,AL 3 B 24 4.000 1.000 EA F SCREW,8-32 X .375,PPH 3 25 4.000 1.000 EA F WASHER,8,FLAT,SML OD375,ZINC 3 26 4.000 1.000 EA F WASHER,6,INT LOCK 3 2 2 42.000 1.000 EA F SCHM HEATSINK 1001SL A 29 000 1.000 EA F LUG,QDC,16-14AMG,FEM,.250,NYL 3 D 34 2.000 1.000 EA F WIRE,16AMG,300V,MHT,UL,80C 3 35 5.50 1.000 EA F HTSK,ALUM,SUBSTRAT,T03 3 39 2.000 1.000 EA F NUT,10-32,HEK,STD,CS 3 3 39 2.000 1.000 EA F HTSK,ALUM,SUBSTRAT,D04 3 B 40 2.000 1.000 EA F HTSK,ALUM,SUBSTRAT,D04 3 B 40 2.000 1.000 EA F HTSK,ALUM,SUBSTRAT,D04 3 B 40 2.000 1.000 EA F	3 8.000 1.00	A F	000.		6/66/66 00/00/0	
SCREW, 8-32 X .375, PPH WASHER, 8, FLAT, SML OD375, ZINC 3 26 4.000 1.000 EA F WASHER, 8, SPLIT LOCK 3 27 4.000 1.000 EA F WASHER, 6, INT LOCK 3 28 42.000 1.000 EA F SCHM HEATSINK 1001SL A 3A 29 .000 1.000 EA F UG, QDC, 16-14AMG, FEM, .250, NYL 3 D 34 2.000 1.000 EA F WIRE, 16AMG, 300V, WHT, UL, 80C 3 35 .500 1.000 EA F WASHER, 10, INT LOCK 3 3 38 2.000 1.000 EA F WUT, 10-32, HEK, SID, CS 3 3 39 2.000 1.000 EA F HTSK, ALUM, SUBSTRAT, D04 3 B 40 2.000 1.000 EA F	3 B 24 4.000 1.00	A F	00		6/66/66 00/00/0	•
WASHER, 8, FLAT, SML OD375, ZINC 3 26 4.000 1.000 EA F WASHER, 8, SPLIT LOCK 3 27 4.000 1.000 EA F WASHER, 6, INT LOCK 3 28 42.000 1.000 EA F SCHM HEATSINK 1001SL A 3 4 29 .000 1.000 EA F LUG, QDC, 16-14AMG, FEM, .250, NYL 3 D 34 2.000 1.000 EA F WIRE, 16AMG, 300V, WHT, UL, 80C 3 35 500 1.000 EA F WASHER, 10, INT LOCK 3 3 8 37 16.000 1.000 EA F NUT, 10-32, HEX, STD, CS 3 3 2.000 1.000 EA F HTSK, ALUM, SUBSTRAT, DO4 3 B 40 2.000 1.000 EA F	3 25 4.000 1.00	A F	00		6/66/66 00/00/0	
WASHER, 8, SPLIT LOCK WASHER, 6, INT LOCK SCHM HEATSINK 1001SL A SCHM HEATSINK 1001SL A LUG, QDC, 16-14AWG, FEM, .250, NYL 3 D 34 2.000 1.000 EA F WIRE, 16AWG, 300V, WHT, UL, 80C 3 35 .500 1.000 EA F HTSK, ALUM, SUBSTRAT, TO 3 3 38 2.000 1.000 EA F NUT, 10-32, HEX, STD, CS 3 39 2.000 1.000 EA F HTSK, ALUM, SUBSTRAT, DO4 3 B 40 2.000 1.000 EA F	3 26 4.000 1.00	A F	000.		6/66/66 00/00/	
WASHER, 6, INT LOCK SCHM HEATSINK 1001SL A SCHM HEATSINK 1001SL A SCHM HEATSINK 1001SL A LUG, QDC, 16-14AWG, FEM, .250, NYL 3 D 34 2.000 1.000 EA F WIRE, 16AWG, 300V, WHT, UL, 80C 3 35 .500 1.000 EA F HTSK, ALUM, SUBSTRAT, TO3 3 38 2.000 1.000 EA F NUT, 10-32, HEX, STD, CS 3 39 2.000 1.000 EA F HTSK, ALUM, SUBSTRAT, DO4 3 B 40 2.000 1.000 EA E	3 27 4.000 1.00	A Fi	00		/66/66 00/00/0	
SCHW HEATSINK 1001SL A 3 A 29 .000 1.000 EA P LUG,QDC,16-14AWG,FEM,.250,NYL 3 D 34 2.000 1.000 EA F WIRE,16AWG,300V,WHT,UL,80C 3 35 .500 1.000 FT F HTSK,ALUM,SUBSTRAT,TO3 3 B 37 16.000 1.000 EA B NUT,10-32,HEX,STD,CS 3 39 2.000 1.000 EA F HTSK,ALUM,SUBSTRAT,D04 3 B 40 2.000 1.000 EA B	8 42.000 1.00	A F	000.		6/66/66 00/0	
LUG,QDC,16-14AWG,FEM,.250,NYL 3 D 34 2.000 1.000 EA F WIRE,16AWG,300V,WHT,UL,80C 3 35 .500 1.000 FT F HTSK,ALUM,SUBSTRAT,TO3 3 38 2.000 1.000 EA F NUT,10-32,HEX,STD,CS 3 2.000 1.000 EA F HTSK,ALUM,SUBSTRAT,D04 3 B 40 2.000 1.000 EA F	.29 .000 1.000	A P	0 0		6/66/66 00/00/0	
WIRE, 16AWG, 300V, WHT, UL, 80C 3 35 .500 1.000 FT F X HTSK, ALUM, SUBSTRAT, TO3 3 B 37 16.000 1.000 EA B Y WASHER, 10, INT LOCK 3 3 38 2.000 1.000 EA F Y NUT, 10-32, HEX, STD, CS 3 39 2.000 1.000 EA F Y HTSK, ALUM, SUBSTRAT, D04 3 B 40 2.000 1.000 EA B Y	3 D 34 2.000 1.00	A F	00		1/25/98 99/99/9	
P HTSK, ALUM, SUBSTRAT, T03 3 B 37 16.000 1.000 EA B Y WASHER, 10, INT LOCK 3 38 2.000 1.000 EA F Y I NUT, 10-32, HEX, STD, CS 3 39 2.000 1.000 EA F Y HTSK, ALUM, SUBSTRAT, D04 3 B 40 2.000 1.000 EA B Y	3 35 .500 1.00	TF	00		6/66/66 00/00/0	
11FE04-01 WASHER,10,INT LOCK 3 38 2.000 1.000 EAF Y 12GB04-01 NUT,10-32,HEX,STD,CS 3 39 2.000 1.000 EAF Y 94-D04-TP HTSK,ALUM,SUBSTRAT,D04 3B 40 2.000 1.000 EAB Y	3 B 37 16.000 1.00	A B Y	000.		6/66/66 00/00/0	
NUT, 10-32, HEX, STD, CS 3 39 2.000 1.000 EA F Y HTSK, ALUM, SUBSTRAT, D04 3 B 40 2.000 1.000 EA B Y	38 2.000 1.00	A F Y	00		/66/66 66/0	
HTSK, ALUM, SUBSTRAT, D04 3 B 40 2.000 1.000 EA B Y	39 2.000 1.00	A F Y	.00	0 0	4/30/99 99/99/9	
The second secon	B 40 2.000 1.00	A B Y	2.000	0 0	6/66/66 00/00/0	

## 4.1 GENERAL

This section contains the schematic diagrams and parts layout diagrams for the Model 1001SLE/1751SLE AC Power Source. The schematic diagrams should be used to understand the theory of operation and as an aid in troubleshooting the unit.

Components identified as "trim" or "FSV" are factory selected parts whose values are determined at the time of final checkout.

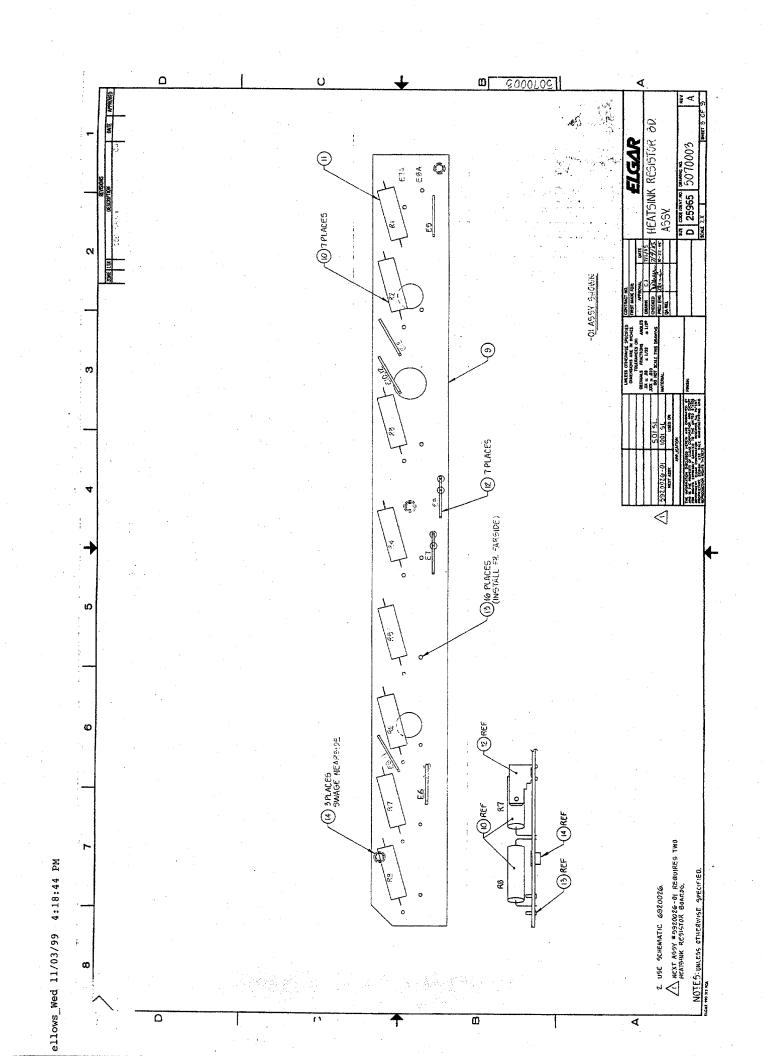
## 4.2 DIAGRAMS

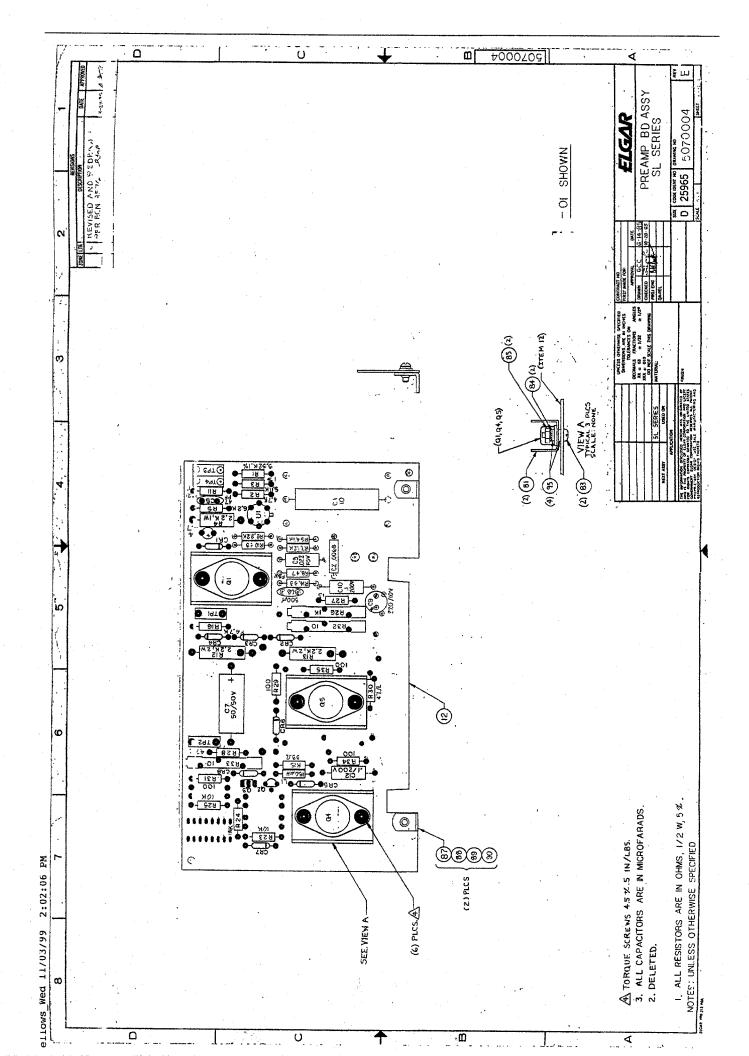
Table 4-1 provides a list of the diagrams included in this section.

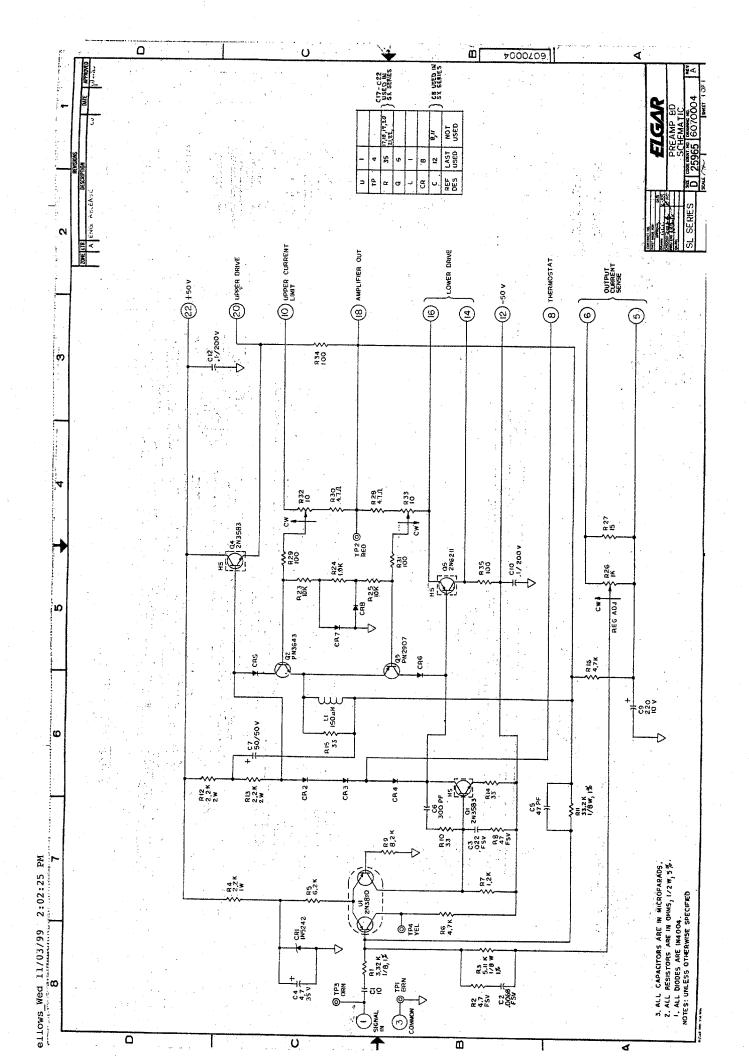
Table 4-1. Model 1001SLE/1751SLE Diagram List

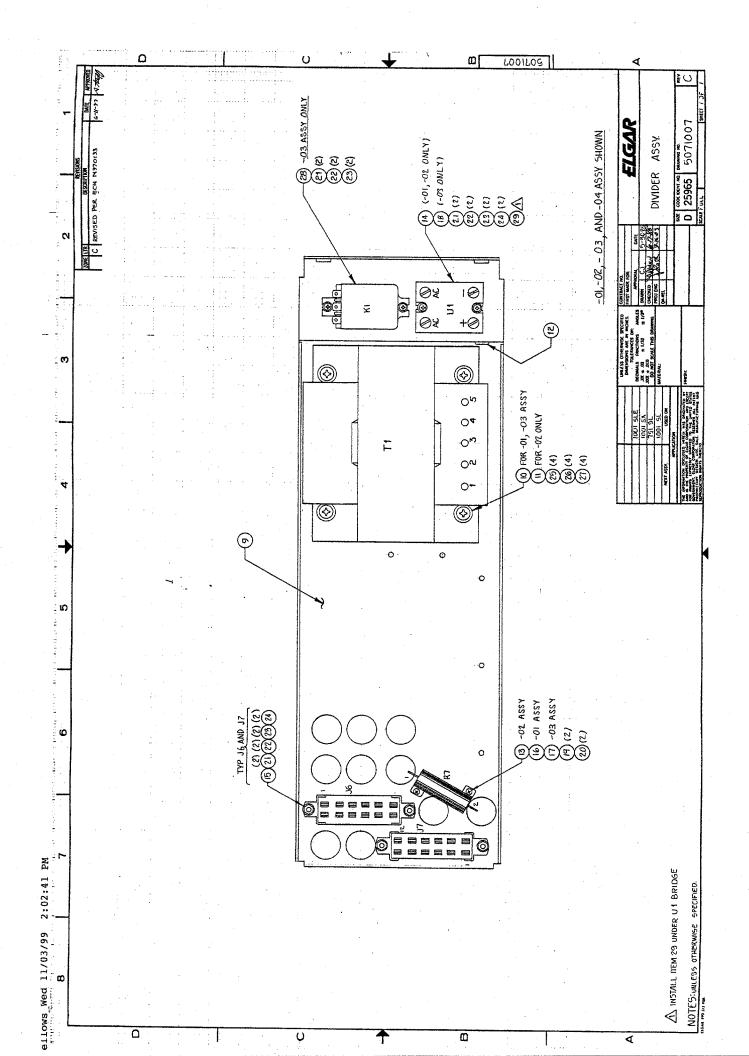
Document Number	Description
5070003	Heatsink Resistor Board Assembly
5070004	Preamplifier Board Assembly
6070004	Preamplifier Board Schematic
5071007	Divider Assembly 1001SLE
5071009	Brace Plate Assembly 1751SLE
5071014	Capacitor Assembly
5071070	Filter Box Assembly 1001SLE
5071075	Motherboard Assembly SLE
6071075	Motherboard Schematic
5071076	Final Assembly 1001SLE
6071076	Interconnect Schematic 1001SLE
5071082	Rear Panel Assembly 1001SLE
5071083	Front Panel Assembly 1001SLE
5071084	Right Panel Assembly 1001SLE
5071085	Brace Plate Assembly 1001SLE
5121010	Divider Assembly 1751SLE
5121024	Heatsink Assembly 1751SLE
6121024	Heatsink Schematic 1751SLE
5121045	Final Assembly 1751SLE
6121045	Interconnect Schematic 1751SLE
5121047	Right Panel Assembly 1751SLE
5121048	Rear Panel Assembly 1751SLE
5121049	Front Panel Assembly 1751SLE
5920026	Heatsink Assembly 1001SLE
6920026	Heatsink Schematic 1001SLE

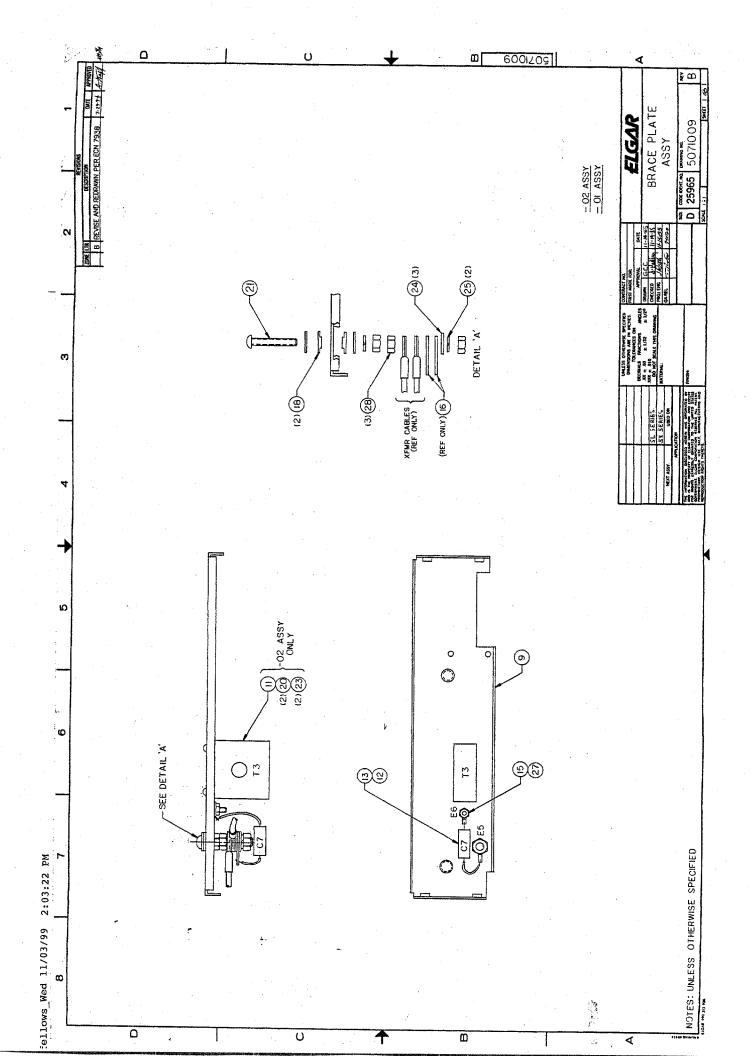
This page intentionally left blank.

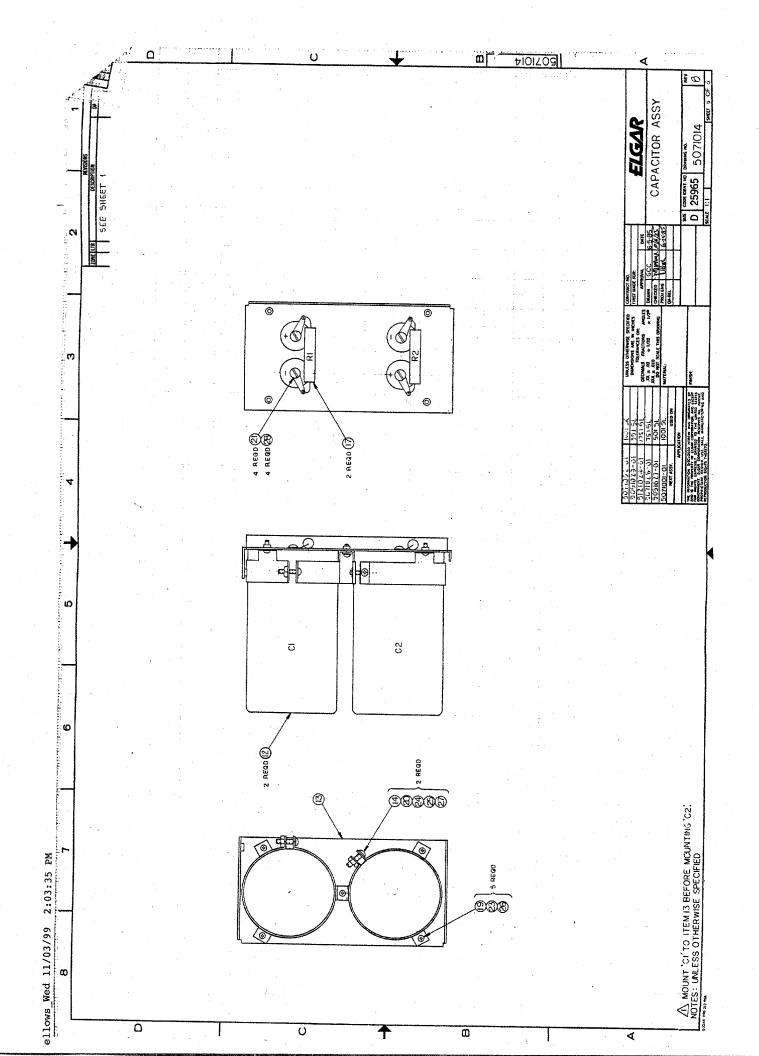


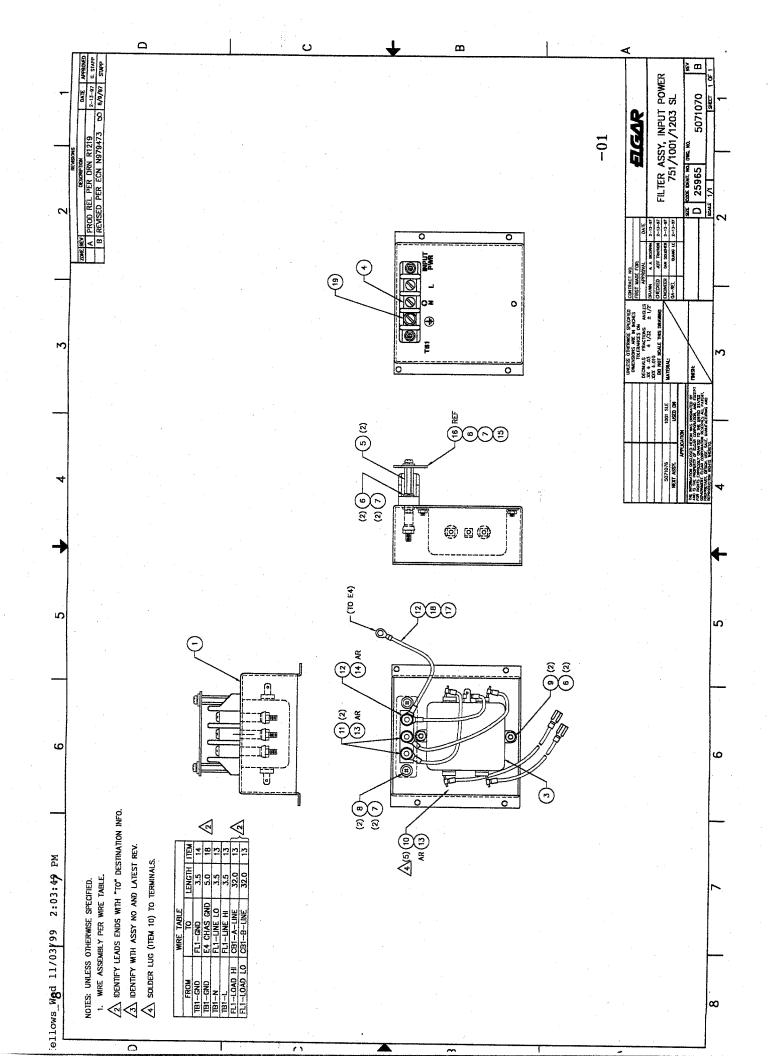


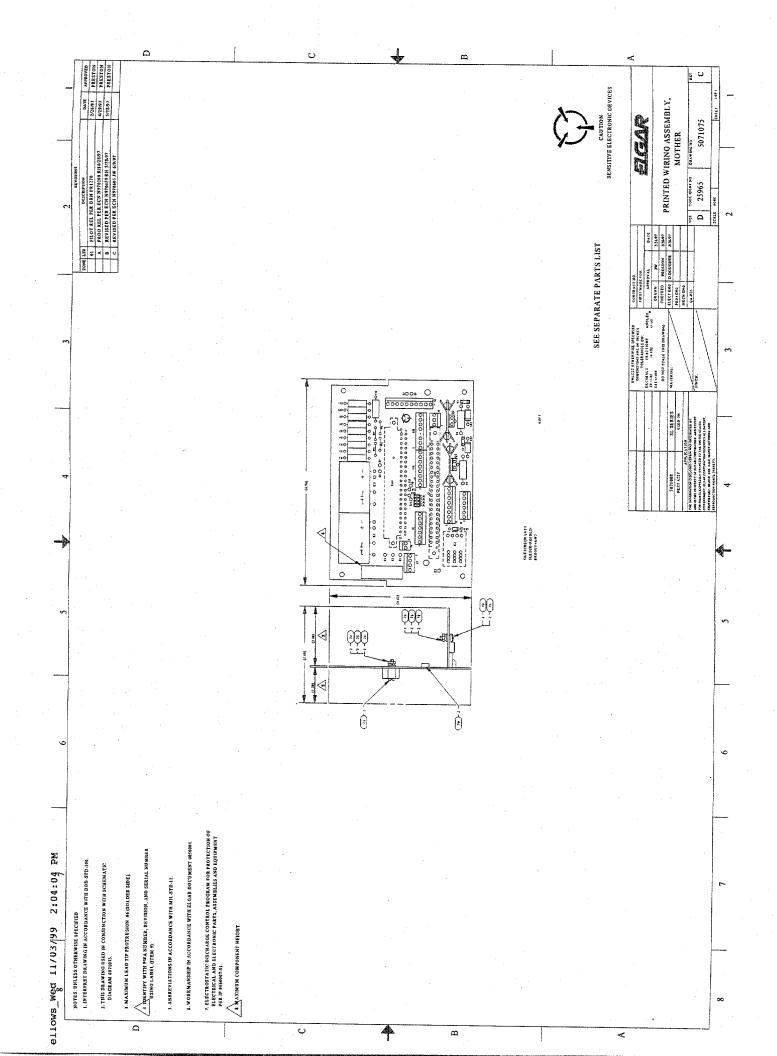


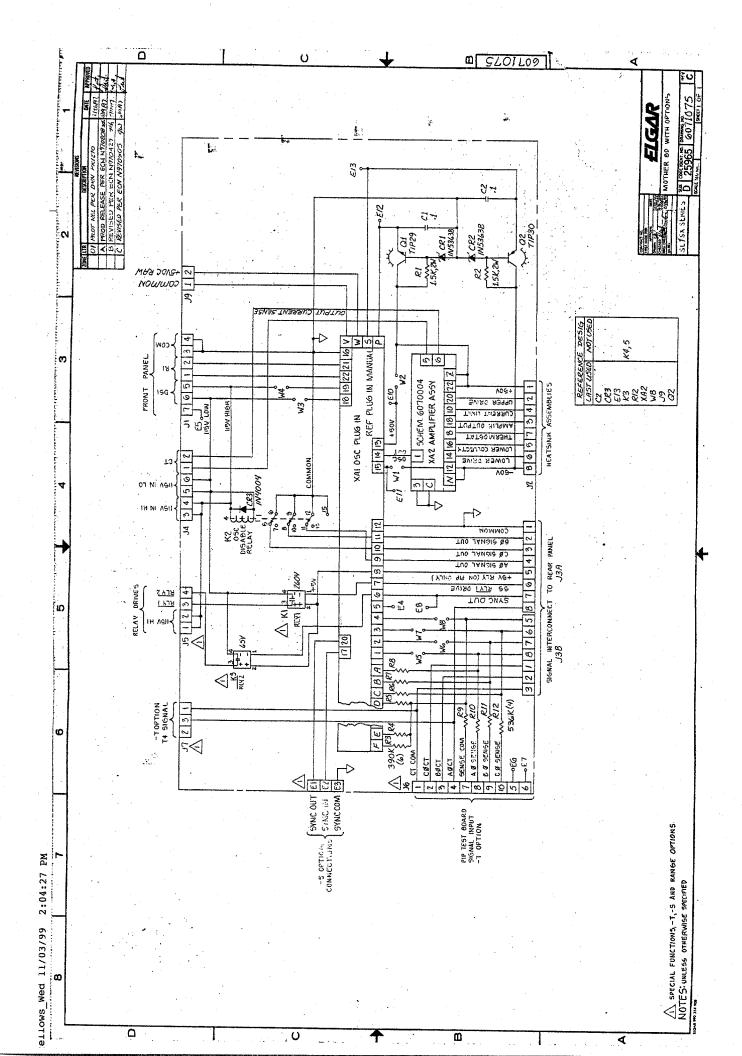




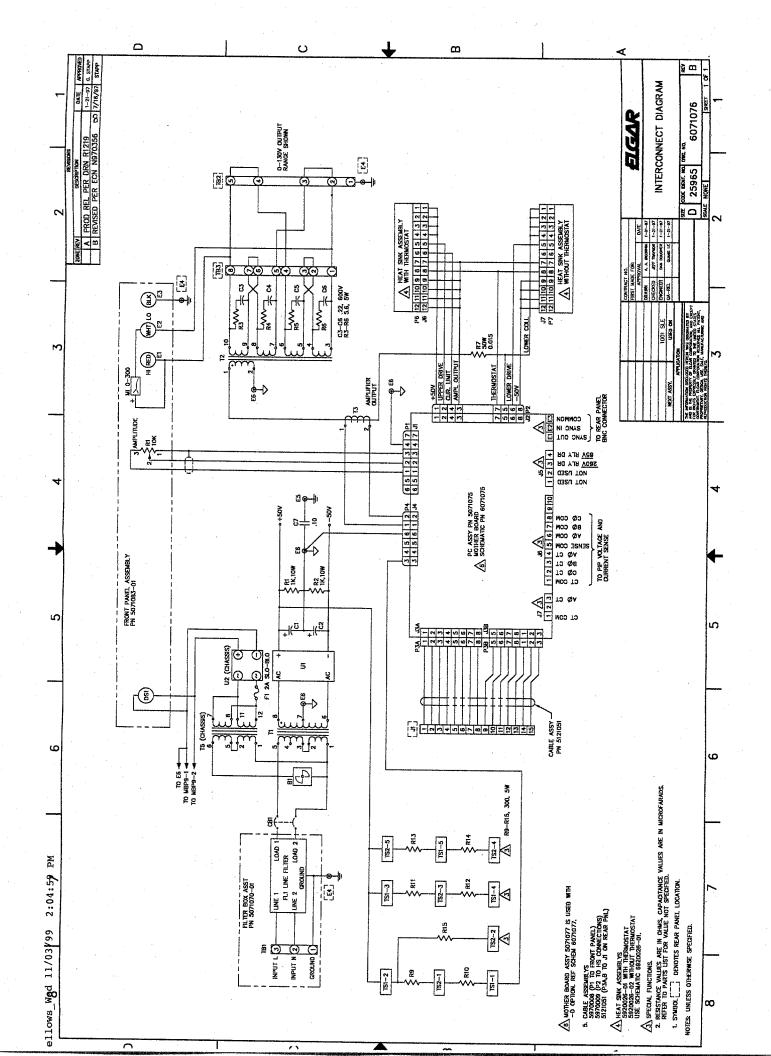


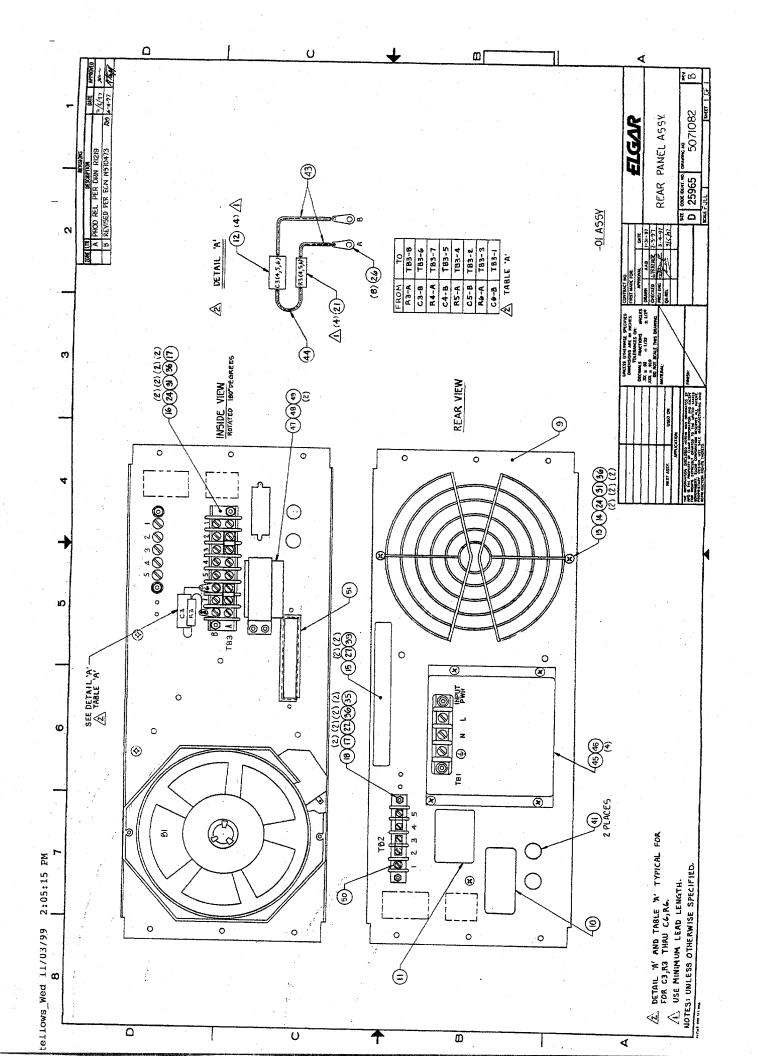


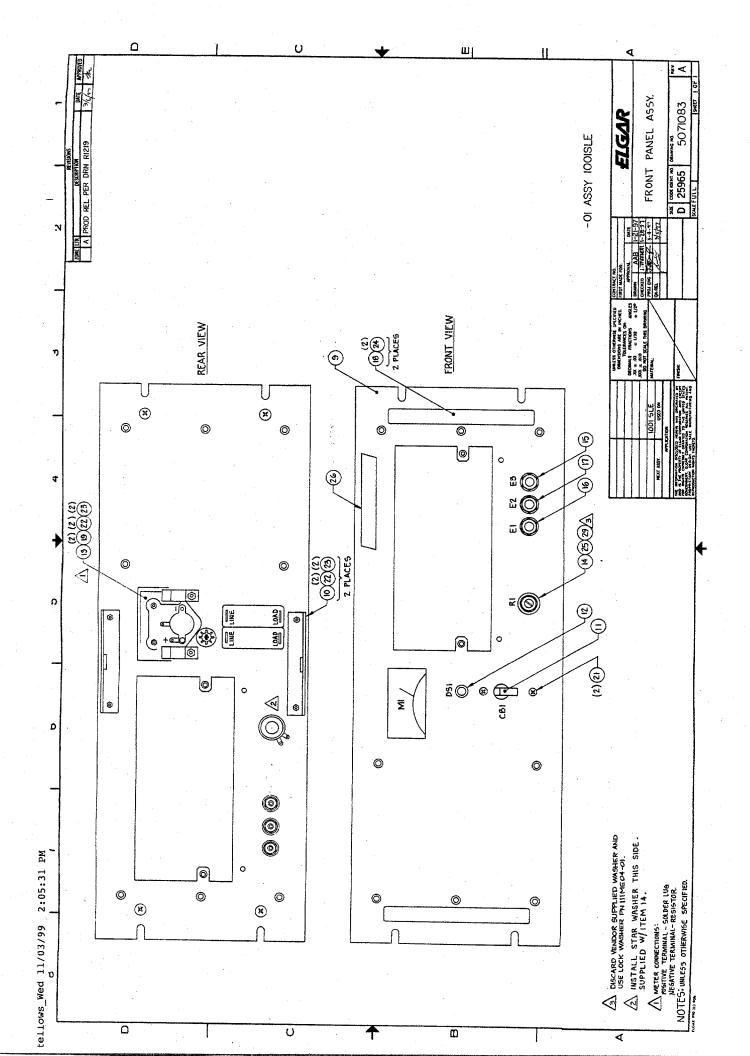


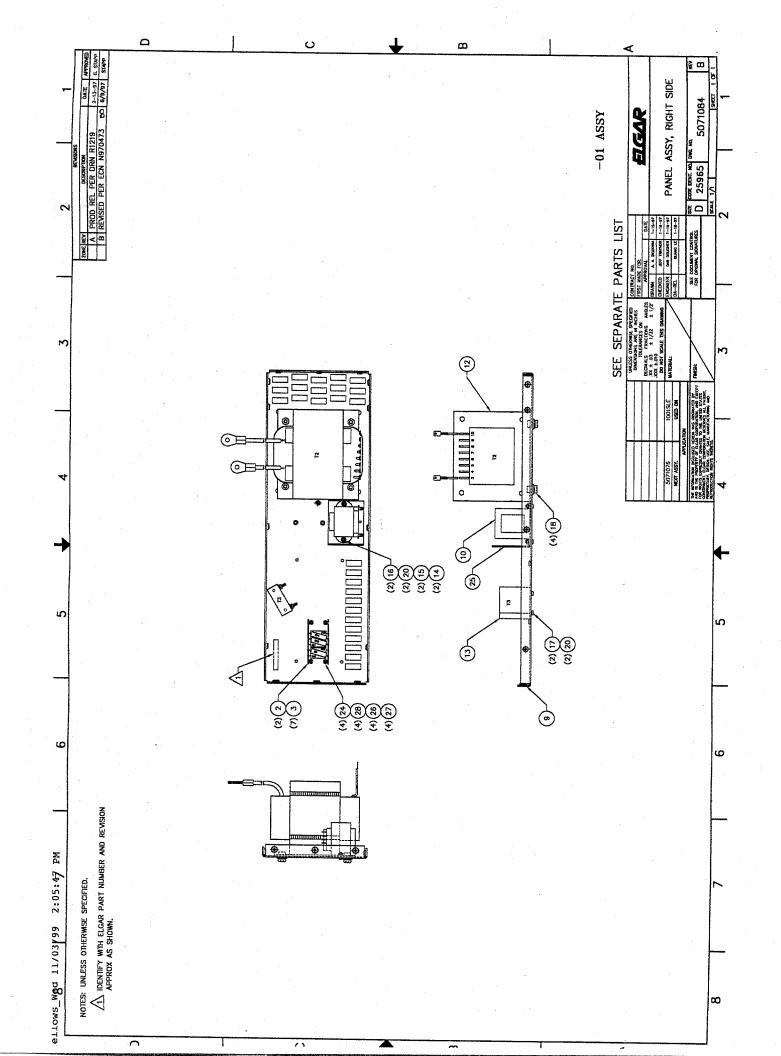


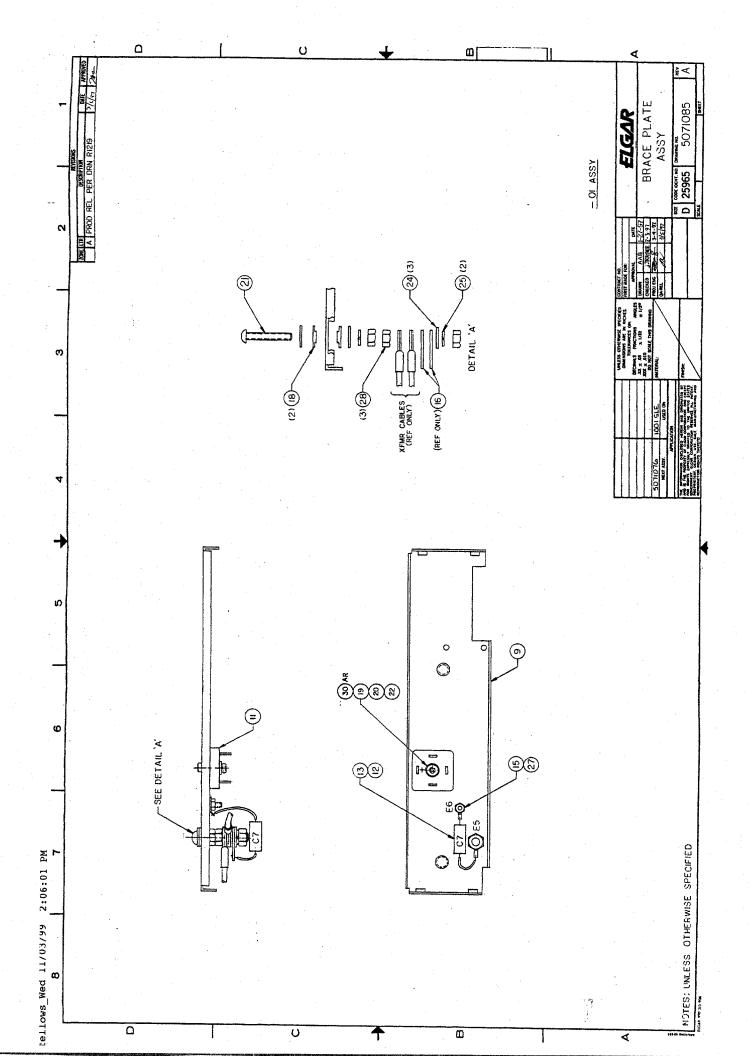
ellows\_Wed 11/03/99 2:04:43 PM

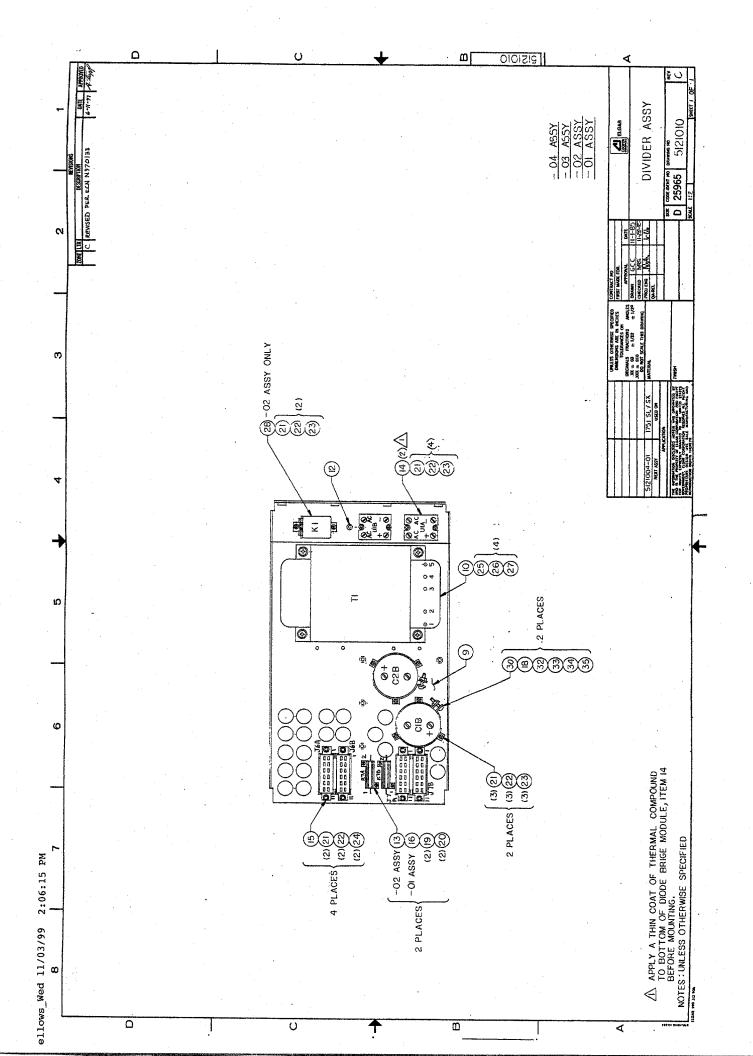


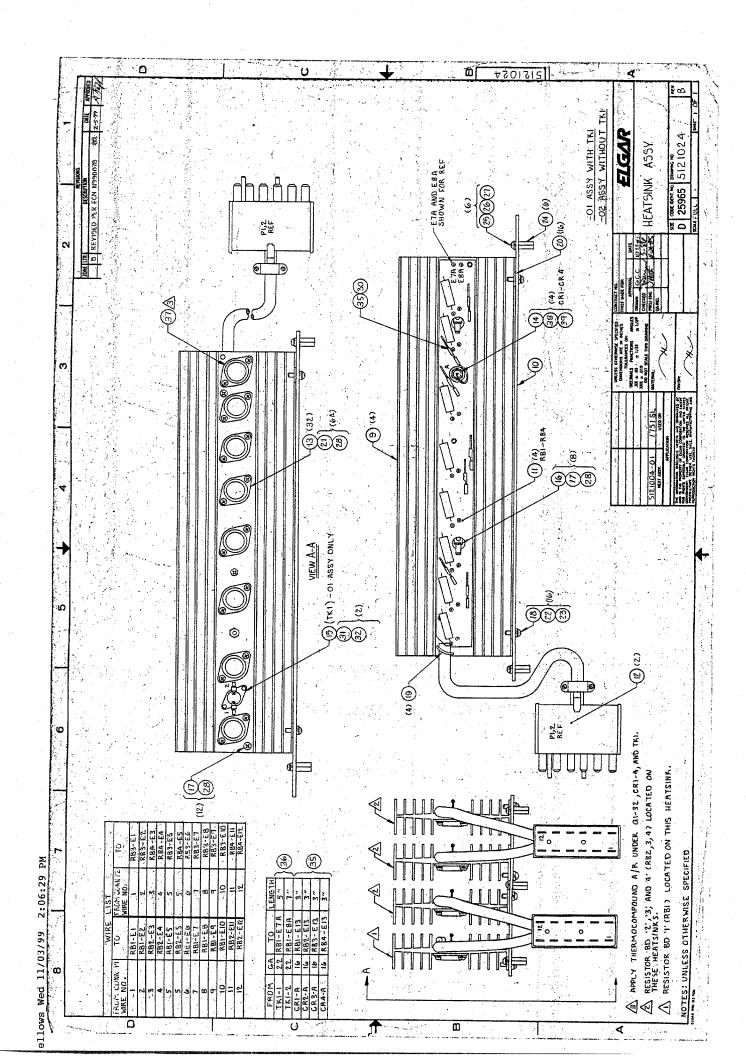


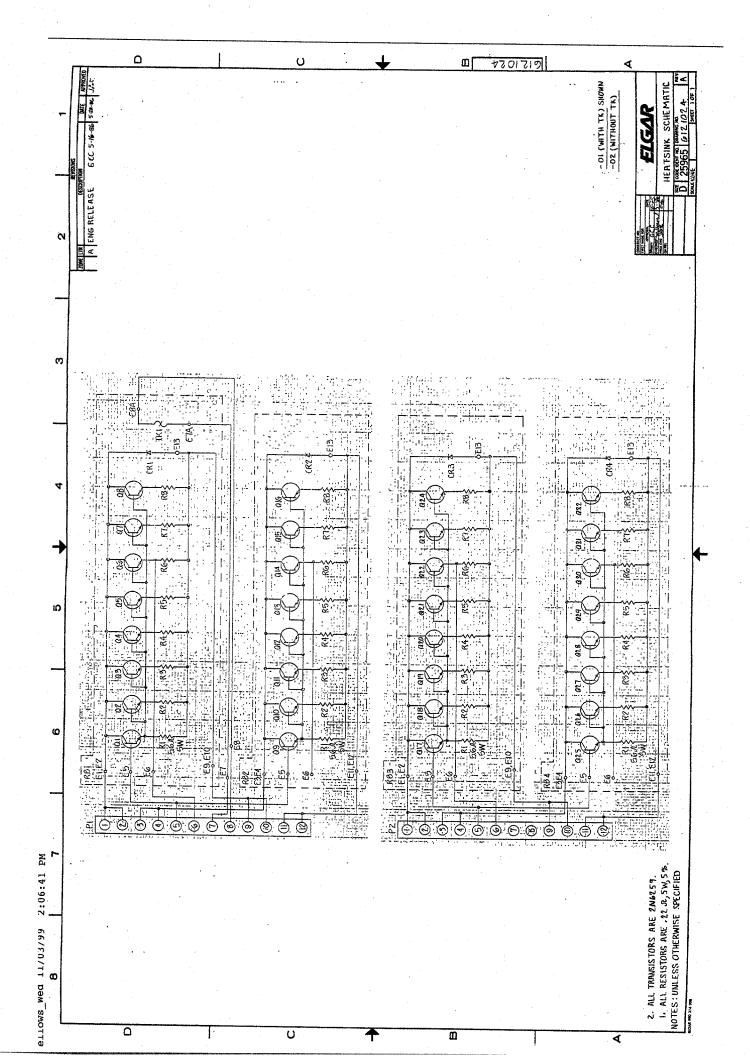


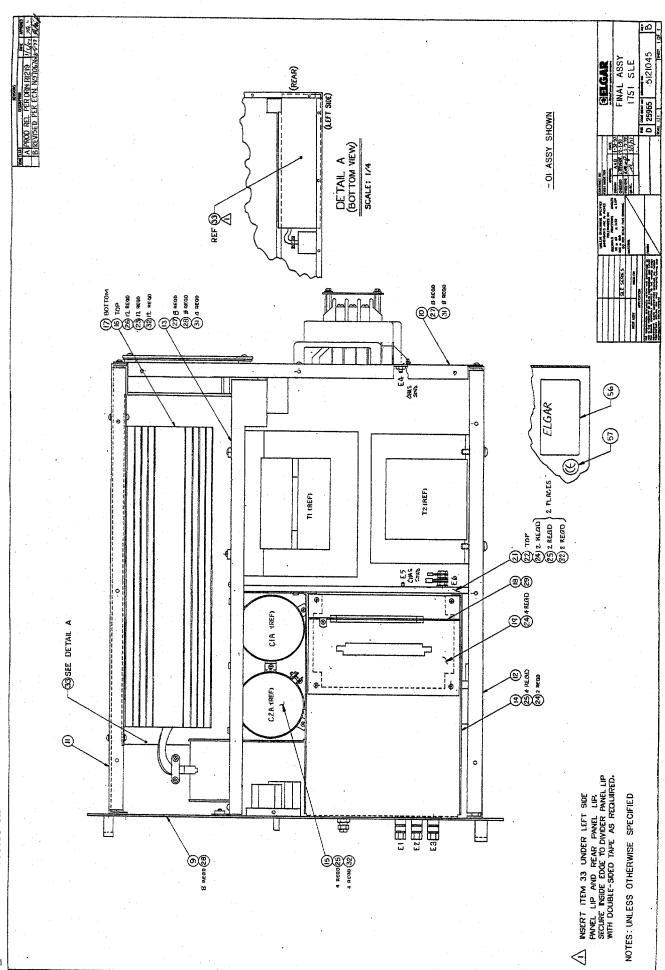












ellows\_Wed 11/03/99 2:06:53 PM

